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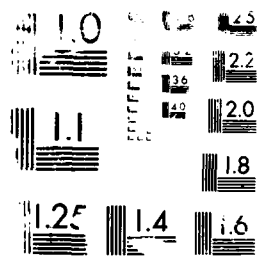
MINOT AFB NORTH DAKOTA REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSERVATIONS (U) AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER SCOTT A. DEC 87  
USAFETAC/DS-87/084

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USN'D 727675

USAFETAC/DS-87/C84

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OPERATING LOCATION - A

**USAFETAC**

**Air Weather Service (MAC)**



REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSERVATIONS

MINOT AFB ND

MSC 727675

N 48 25

W 101 21

ELEV

1668 FT

KMIB

PARTS A - F HOURS SUMMARIZED 0000 - 2300 LST

PERIOD OF RECORD:

HOURLY OBSERVATIONS: SEP 77 - AUG 87

SUMMARY OF DAY DATA: OCT 59-AUG 87

"Approved for public release;  
Distribution Unlimited"

**FEDERAL BUILDING**

**ASHEVILLE, N.C. 28801 - 2723**

**18 DEC 1987**

REPORT DOCUMENTATION PAGE

- 1a. Report Security Classification: UNCLASSIFIED
3. Distribution/Availability of Report: Approved for public release; Distribution unlimited.
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- 6a. Name of Performing Organization: USAFETAC/OL-A
- 6b. Office Symbol:
- 6c. Address: Federal Building, Asheville, NC 28801-2723.
11. Title: (RUSSWO) Minot AFB ND.
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- 13b. Time Covered: Oct 59-Aug 87.
14. Date of Report: Dec 87
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16. Supplementary Notation:
17. COSATI Codes: Field--04, Group--02
18. Subject Terms: \*climatology; \*weather; meteorological conditions; winds; precipitation; temperature; visibility; barometric pressure; relative humidity; sky cover; psychrometric data; ceiling; Revised Uniform Summary of Surface Weather Observations (RUSSWO); Minot AFB ND; North Dakota; USND727675.
19. Abstract: A six-part statistical data summary of surface weather observations for: Minot AFB ND. Summary consists of: PART A, Weather Conditions and Atmospheric Phenomena; PART B, Precipitation; PART C, Surface Winds; PART D, Ceiling and Visibility; PART E, Psychrometric Summaries; PART F, Pressure Summaries. See USAFETAC/TN-83/001 (ADA132186), An Aid for Using the Revised Uniform Summary of Surface Weather Observations (RUSSWO) for complete description of contents and instructions for use.
20. Distribution/Availability of Abstract: Same as report.
21. Abstract Security Classification: UNCLASSIFIED.
- 22a. Name of Responsible Individual: Marianne L. Cavanaugh
- 22b. Telephone: (618)256-2625
- 22c. Office Symbol: USAFETAC/LDD

**REVIEW AND APPROVAL STATEMENT**

USAFETAC/DS-87/084 Minor AFB ND (RUSSWO) Dec 1987 is approved for public release. There is no objection to unlimited distribution of this document to the public at large, or by the Defense Technical Information Center (DTIC) to the National Technical Information Service (NTIS).

This document has been reviewed and is approved for publication.

FOR THE COMMANDER

A handwritten signature in dark ink, appearing to read 'Walter S. Burgmann', with a long, sweeping horizontal line extending to the right.

WALTER S. BURGMANN  
Scientific and Technical Information Program Manager

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STATION NAME: MINOT AFB ND	CALL ID: NMIB
STATION NUMBER: 727675	HOURS SUMMARIZED: 0000-2300 LST
PERIOD OF RECORD:	
HOURLY OBSERVATIONS: SEP 77 - AUG 87	
SUMMARY OF DAY DATA: OCT 59 - AUG 67	
TIME CONVERSION LST TO GMT: +6	
DATE PRODUCED: 8 Dec 1987	

OL-A/USAFETAC/MAC/AWS  
ASHEVILLE NC 28601

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS: ALL RECORD ON RECORD SPECIAL OBSERVATIONS RECORDED ON THE AWS FORMS 10/10A AT SCHEDULED HOURLY INTERVALS.

SUMMARY OF DAY DATA (DAILY OBSERVATIONS): DATA COMPILED FROM ALL AVAILABLE OBSERVATIONS WHICH INCLUDES HOURLY OBSERVATIONS AND DAILY DATA RECORDED IN COLUMNS 66-73, AWS FORMS 10/10A.

DESCRIPTION OF SUMMARIES: PRECEDING EACH PART OF THE RUSSWO IS A BRIEF DISCUSSION OF THE SUMMARY INCLUDING THE MANNER OF PRESENTATION.

STANDARD 3-FOUR TIME GROUPS: IN ALL SUMMARIES SHOWING DIURNAL VARIATIONS, WE SUMMARIZE DATA USING THE FOLLOWING EIGHT 3-HOUR TIME PERIODS IN LOCAL STANDARD TIME: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 LST.

FOR A DETAILED DESCRIPTION OF EACH SUMMARY WITH EXAMPLES AND EXERCISES ON ITS USAGE, SEE USAFETAC/TN-83-001, "AN AID FOR USING THE REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS" (RUSSWO).

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PART D: CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

PART E: TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

PART F: PRESSURE SUMMARIES

AWSMSC NUMBER: THIS NUMBER IS THE AIR WEATHER SERVICE MASTER STATION CATALOG NUMBER. THIS NUMBER IS COMPRISED OF THE WMO NUMBER WITH THE ADDITION OF A SUFFIX (0 THROUGH 9). IN CASES WHERE THERE IS NO DESIGNATED WMO NUMBER, A 5-DIGIT NUMBER IS CREATED IN AGREEMENT WITH WMO RULES PLUS A SIXTH DIGIT. THESE NUMBERS ARE ALSO REFERRED TO AS DATSAV OR USAFETAC NUMBERS WHICH UNIQUELY IDENTIFY MORE THAN 15,000 REPORTING STATIONS WORLD WIDE.

STATION NO ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	FIELD ELEV (FT)	CALL SIGN	WMO NUMBER
727675	MINOT AFB NORTH DAKOTA	N 48 25	W 101 21	1668	MIB	

### STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSI		OBS PER DAY
			FROM	TO			FIELD (FT)	HT. BARO.	
1	Minot AFB North Dakota	AFB	Mar 60	Nov 60	N 48 25	W 101 20	1678	1631 ft	24
2	Same	Same	Dec 60	Feb 65	Same	Same	Same	1654 ft	24
3	Same	Same	Mar 65	Feb 66	Same	W 101 21	Same	Same	24
4	Same	Same	Mar 66	Oct 67	Same	Same	Same	1657 ft	24
5	Same	Same	Nov 67	Dec 70	Same	Same	Same	1629 ft	24
6	Same	Same	Jan 71	Feb 78	Same	Same	1666 ft	Same	24
7	Same	Same	Mar 78	Dec 83	Same	Same	1668 ft	1631 ft	24
8	Same	Same	Jan 84	Aug 87	Same	Same	1668 ft	1631 ft	24

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Mar 60	Located on top of control tower.	AN/GMC-11	N/A	65 ft.	
2	Apr 60	Located in open area adjacent to active runway, 2000 ft WSW of observing bldg.	Same	RD-2	18 ft.	
3	Dec 60	Located 2000 ft from touchdown point adjacent to primary runway 29.	Same	Same	10 ft.	
4	Mar 62	Located in open area adjacent to active runway, 2000 ft WSW of observing bldg.	Same	Same	18 ft.	
5	Mar 65	1. Located 800 ft NE of centerline, 2950 ft N of end of runway 29. 2. Located 650 ft SW of centerline, 1500 ft S of end of runway 11.	Same	Same	19 ft. 15 ft.	

USAFETAC

FORM NOV 73

O-19 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

CONTINUED ON REVERSE SIDE



NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
6	Dec 70	1. Same 2. Same	AN/GMQ-11 Same	RO-362 Same	Same Same	
7	Jan 71	1. Located 800 ft from centerline 3010 ft N end of rnwy 29. 2. Located 650 ft. SW from center- line 1500 ft S of end of rnwy 11.	Same Same	Same	19 ft. 15 ft.	
8	Feb 78	1. Same 2. Same	Same Same	Same	Same Same	
9	Dec 83	1. Same 2. Same	Same	Same	Same	

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## WEATHER CONDITIONS AND ATMOSPHERIC PHENOMENA SUMMARIES

### WEATHER CONDITIONS SUMMARY

1. A PERCENTAGE FREQUENCY OCCURRENCE SUMMARY OF VARIOUS ATMOSPHERIC PHENOMENA AND OBSTRUCTIONS TO VISION.
2. DATA BASED ON HOURLY OBSERVATIONS.
3. SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

### ATMOSPHERIC PHENOMENA SUMMARY

1. A PERCENTAGE FREQUENCY OF DAYS SUMMARY OF VARIOUS ATMOSPHERIC PHENOMENA AND OBSTRUCTIONS TO VISION.
2. DATA BASED ON SUMMARY OF DAY DATA.
3. SUMMARIZED BY MONTH WITH ALL HOURS AND ALL YEARS COMBINED.

### DEFINITIONS:

THUNDERSTORMS: ALL REPORTED THUNDERSTORMS, TORNADOES AND WATERSPOUTS.

RAIN AND/OR DRIZZLE: ALL REPORTED RAIN AND OR DRIZZLE FALLING TO THE GROUND BUT NOT FREEZING.

FREEZING RAIN AND/OR FREEZING DRIZZLE (GLAZE): ALL REPORTED FREEZING RAIN OR FREEZING DRIZZLE.

SNOW AND/OR SLEET: SNOW INCLUDING SNOW PELLETS AND GRAINS, ICE CRYSTALS AND PELLETS, AND/OR SLEET (ICE PELLETS).

HAIL: ALL REPORTED HAIL.

ALL PRECIPITATION: THIS CATEGORY INCLUDES ALL OBSERVATIONS REPORTING PRECIPITATION. BECAUSE MORE THAN ONE TYPE OF PRECIPITATION MAY APPEAR IN A SINGLE OBSERVATION, THE SUM OF THE PERCENTAGES IN THE INDIVIDUAL COLUMNS MAY EXCEED THE PERCENTAGES IN THIS COLUMN.

FOG: ALL REPORTED FOG, ICE FOG AND GROUND FOG.

SMOKE AND/OR HAZE: ALL REPORTED SMOKE, HAZE AND ANY COMBINATION THEREOF.

BLOWING SNOW: ALL REPORTED BLOWING SNOWS INCLUDING DRIFTING WHEN REPORTED.

DUST AND/OR SAND: ALL REPORTED DUST, SAND, BLOWING DUST, BLOWING SAND AND ANY COMBINATION THEREOF. THE ATMOSPHERIC PHENOMENA SUMMARY (DAYS WITH) INCLUDES ONLY THOSE REPORTS WHEN THE PHENOMENA VISIBILITY LESS THAN 5/8 MILES (1000 METERS).

ALL OBSTRUCTIONS TO VISION: INCLUDES ALL REPORTS OF OBSTRUCTIONS TO VISION (FOG THRU DUST/SAND) AND BLOWING SPRAY. BECAUSE MORE THAN ONE PHENOMENA PER OBSERVATION MAY OCCUR, THE SUM OF THE INDIVIDUAL COLUMNS MAY EXCEED THIS COLUMN.

NOTES:

1. A VALUE IN THE TABLES OF ".0" INDICATES LESS THAN .05% OCCURRENCE WHICH IS USUALLY ONLY ONE OCCURRENCE
2. METAR STATIONS (BEGINNING IN JAN 1968) AND SYNOPTIC REPORTING STATIONS RECORDED ON THE AWS FORMS 10/10A AND TRANSMITTED LONGLINE ONLY THE HIGHEST ORDER OF ATMOSPHERIC PHENOMENA OBSERVED. BEGINNING IN JAN 1970, METAR STATIONS RECORDED ALL OBSERVED PHENOMENA BUT CONTINUED TO TRANSMIT ONLY THE HIGHEST ORDER. FOR EXAMPLE, IF THE OBSERVATION CONTAINED RAIN, FOG AND SMOKE, ALL THREE WILL APPEAR ON THE AWS FORMS 10/10A, BUT ONLY THE RAIN WAS TRANSMITTED LONGLINE. THEREFORE ONLY THE RAIN APPEARS IN OUR DATA BASE FOR HOLRLY SUMMARIZATION. THIS PRACTICE EFFECTS THE PERCENTAGES IN THE TABLES.

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: JAN

HOURS (LST)	TSMS	RAIN E/OR DRIZZLE	FRZING RAIN E/OR DRIZZLE	SNOW E/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE E/OR HAZE	BLOWING SNOW	DUST E/OR SAND	% OBS W/CBS1 TO VISION	TOTAL OBS
00-02		.3	.6	24.6		25.6	2.7		6.1		8.8	930
03-05		.3	1.2	26.9		27.6	3.2		5.3		8.5	930
06-08		.2	.6	29.1		29.8	4.3		6.3		10.6	930
09-11			.9	27.5		28.1	5.2		9.7		14.8	930
12-14		.2	.5	29.7		30.2	3.1	.4	12.2		15.6	930
15-17		.3		27.3		27.6	2.0		10.9		12.6	930
18-20			.2	24.8		25.1	1.6		9.1		10.4	930
21-23		.2	.5	23.8		24.3	1.9		7.0	.1	8.6	930
TOTALS		.2	.6	26.7		27.3	3.0	.1	8.3	.0	11.2	7440

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: FEB

HOURS (LST)	TSMS	RAIN E/OR DRIZZLE	FRZING RAIN E/OR DRIZZLE	SNOW E/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE E/OR HAZE	BLOWING SNOW	DUST E/OR SAND	% OBS W/CBS1 TO VISION	TOTAL OBS
00-02		1.1	1.1	23.2		24.6	7.7		3.7		10.9	846
03-05		.9	.6	23.5		24.5	9.3		4.3		13.5	846
06-08		.6	.7	26.1		27.2	10.4		4.4		14.8	846
09-11		.4	.8	30.0		30.9	13.0		6.4		19.3	846
12-14		.4	.5	29.7		30.1	9.3		9.2	.1	18.2	846
15-17		.4	.8	28.1		28.8	7.3	.1	8.5	.1	15.6	846
18-20		.7	1.3	20.4		22.2	7.1	.1	6.3	.1	12.8	846
21-23		1.5	.7	23.0		25.2	7.2		3.9		10.6	846
TOTALS		.6	.6	25.5		26.7	8.9	.0	5.8	.0	14.5	6768

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: MAR

HOURS (LST)	1STMS	RAIN E/OR DRIZZLE	FRZING RAIN E/OR DRIZZLE	SNOW E/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE E/OR HAZE	BLOWING SNOW	DUST E/OR SAND	% OBS W/CBST TO VISION	TOTAL OBS
00-02		4.1	1.9	17.2		22.0	10.5		2.9		13.4	930
03-05		2.9	2.6	18.3		22.0	11.6		2.5		14.1	930
06-08		3.0	2.3	18.6		21.7	12.5	.5	3.2		16.1	930
09-11		3.4	1.4	18.8		21.2	12.9	.3	4.4		17.5	930
12-14		3.9	.8	14.0		16.0	8.4	.5	4.2	.1	13.2	930
15-17		2.7	.5	11.9		14.0	5.7	.3	4.6	.4	11.1	930
18-20		3.2	1.3	12.9		16.2	7.6	.5	2.9		10.6	930
21-23		3.8	1.2	14.3		18.2	9.1	.2	3.3		12.4	930
TOTALS		3.4	1.5	15.8		18.9	9.8	.3	3.5	.1	13.6	7440

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: APR

HOURS (LST)	1STMS	RAIN E/OR DRIZZLE	FRZING RAIN E/OR DRIZZLE	SNOW E/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE E/OR HAZE	BLOWING SNOW	DUST E/OR SAND	% OBS W/CBST TO VISION	TOTAL OBS
00-02	.2	6.3	.1	6.3		11.7	4.1		1.2	.6	5.9	900
03-05		4.6	.1	6.6		11.0	3.6		1.4		5.0	900
06-08		5.0		8.8		13.4	6.8		2.7		9.4	900
09-11		4.0	.2	6.7		10.8	3.6	.3	2.7	.3	6.8	900
12-14		5.7	.2	5.4		11.0	2.1	.4	2.3	.8	5.7	900
15-17		6.4		5.1	.1	11.4	1.7	.7	1.7	.9	4.9	900
18-20	.6	5.2	.3	4.6		9.8	2.6	.1	1.9	1.2	5.8	900
21-23	.2	5.4		5.1		9.7	3.7		1.3	1.2	6.2	900
TOTALS	.1	5.3	.1	6.1	.0	11.1	3.5	.2	1.9	.6	6.2	7200

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: MAY

HOURS (LST)	TSTMS	RAIN E/OR DRIZZLE	FRZING RAIN E/OR DRIZZLE	SNOW E/OR SLEET	HAUL	% OBS WITH PRECIP	FOG	SMOKE E/OR HAZE	BLOWING SNOW	DUST E/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02	.3	7.4	.2	1.3		8.7	3.9			.3	4.2	930
03-05		5.6	.2	1.2		7.1	5.3	.1		.3	5.7	930
06-08	.3	8.0	.6	1.9		9.7	7.5	.6		.4	8.6	930
09-11	.1	7.6	.3	1.2		9.0	3.3	1.0		1.0	5.1	930
12-14		8.3	.2	.8		9.1	3.0	.6		1.4	4.7	930
15-17	1.2	8.3		1.5		9.4	2.8	.6		1.4	4.6	930
18-20	.5	8.9		.9		9.6	2.8	.2		2.0	5.1	930
21-23	.6	9.5		.8		10.2	3.0			.9	3.9	930
TOTALS	.4	8.0	.2	1.2		9.1	4.0	.4		1.0	5.2	7440

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: JUN

HOURS (LST)	TSTMS	RAIN E/OR DRIZZLE	FRZING RAIN E/OR DRIZZLE	SNOW E/OR SLEET	HAUL	% OBS WITH PRECIP	FOG	SMOKE E/OR HAZE	BLOWING SNOW	DUST E/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02	2.9	7.4				7.4	1.0			.1	1.1	900
03-05	1.8	8.3				8.3	2.6				2.6	900
06-08	.9	7.8				7.8	2.4				2.4	900
09-11	.4	7.2				7.2	3.0				3.0	900
12-14	.7	7.6				7.6	1.8			.2	2.0	900
15-17	2.1	7.3				7.3	.7			.3	1.0	900
18-20	2.4	6.6				6.6	1.2			.3	1.6	900
21-23	2.8	7.3				7.3	1.0			.1	1.1	900
TOTALS	1.8	7.4				7.4	1.7			.1	1.9	7200

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: JUL

HOURS (LST)	TSTMS	RAIN L/OR DRIZZLE	FRZING RAIN L/OR DRIZZLE	SNOW L/OR SLEET	HALE	% OBS WITH PRECIP	FOG	SMOKE L/OR HAZE	BLOWING SNOW	DUST L/OR SAND	% OBS W/CBST TO VISION	TOTAL OBS
00-02	3.0	4.9				4.9	1.7	.2		.1	2.0	930
03-05	3.2	6.0				6.0	3.0				3.0	930
06-08	1.7	4.9				4.9	4.4	.2			4.5	930
09-11	.4	4.1				4.1	1.4	.2			1.6	930
12-14	.6	4.0				4.8	.9				.9	930
15-17	1.6	4.3				4.3	.3				.3	930
18-20	3.1	4.0				4.0	.5				.5	930
21-23	2.6	4.3				4.3	.4	.2			.6	930
TOTALS	2.1	4.7				4.7	1.6	.1		.0	1.7	7440

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: AUG

HOURS (LST)	TSTMS	RAIN L/OR DRIZZLE	FRZING RAIN L/OR DRIZZLE	SNOW L/OR SLEET	HALE	% OBS WITH PRECIP	FOG	SMOKE L/OR HAZE	BLOWING SNOW	DUST L/OR SAND	% OBS W/CBST TO VISION	TOTAL OBS
00-02	2.4	5.1				5.1	1.4	.3			1.7	930
03-05	1.4	5.6				5.6	3.0	.3			3.3	930
06-08	.4	5.0				5.8	7.4	.5			8.0	930
09-11	.4	6.3				6.3	2.6	.6			3.3	930
12-14	1.0	5.0				5.8	1.6	.8			2.4	930
15-17	1.4	4.0				4.8	1.0	.5			1.5	930
18-20	1.7	4.7			.1	4.7	1.2	.3			1.5	927
21-23	1.6	3.0				3.8	1.2	.6			1.8	927
TOTALS	1.3	5.2			.0	5.2	2.4	.5			2.9	7434



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: SEP

HOURS (LST)	TSTMS	RAIN E/OF DRIZZLE	FRZING RAIN E/OF DRIZZLE	SNOW E/OF SLEET	HALE	% OBS WITH PRECIP	FOG	SMOKE E/OF HAZE	BLOWING SNOW	DUST E/OF SAND	% OBS W/CBST TO VISION	TOTAL OBS
00-02	.4	10.0		.8		10.7	4.8				4.8	900
03-05	.8	10.3		.6		10.8	6.2	.1			6.3	900
06-08	.6	9.3		1.0		10.2	9.4	.7			10.1	900
09-11	.1	9.0		.6		9.6	6.4	.6			6.4	900
12-14	.1	8.6		.4		8.9	4.3	.4		.1	4.9	900
15-17	.3	9.0		.4		9.4	3.8	.6			4.3	900
18-20	.4	8.4		.6		9.0	3.9			.1	4.0	900
21-23	.4	7.2		.4		7.7	4.0				4.0	900
TOTALS	.4	9.0		.6		9.5	5.4	.3		.0	5.7	7200

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: OCT

HOURS (LST)	TSTMS	RAIN E/OF DRIZZLE	FRZING RAIN E/OF DRIZZLE	SNOW E/OF SLEET	HALE	% OBS WITH PRECIP	FOG	SMOKE E/OF HAZE	BLOWING SNOW	DUST E/OF SAND	% OBS W/CBST TO VISION	TOTAL OBS
00-02	.2	6.2		3.4		9.4	4.2	.1	.6		4.9	930
03-05	.1	5.7	.2	4.0		8.8	5.2		.6		5.8	930
06-08		6.8	.2	3.9		10.1	8.2		.9		9.0	930
09-11	.2	5.9		4.3		9.8	7.1	.3	.6		8.0	930
12-14		7.2		4.1		11.1	5.4	.4	.9	.3	7.0	930
15-17		6.9		3.0		9.6	2.4	.8	.6	.4	4.1	930
18-20	.1	7.1		2.3		9.0	3.1	.3	1.0	.2	4.4	930
21-23	.1	5.5		2.9		7.8	3.0		.8		3.8	930
TOTALS	.1	6.4	.1	3.5		9.5	4.8	.2	.8	.1	5.9	7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: NOV

HOURS (LST)	TSTMS	RAIN L/DR GRIZZLE	FRZING RAIN L/DR GRIZZLE	SNOW L/DR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE L/DR FAZE	BLOWING SNOW	DUST L/DR SAND	% OBS W/CBS TO VISION	TOTAL OBS
00-02		1.0		12.2		14.0	4.8	.1	2.4		7.3	900
03-05		.7	1.0	14.1		15.7	5.6		2.0		7.6	900
06-08		1.4	1.6	16.9		19.9	7.2	.1	2.7		10.0	900
09-11		1.7	1.0	17.3		19.7	8.8		3.3		12.1	900
12-14		1.3	.6	18.3		19.7	7.0		4.0		11.0	900
15-17		1.3	.9	14.2		16.0	5.9		3.2	.1	9.2	900
18-20		2.0	.2	13.8		15.4	4.6		3.2	.3	8.1	900
21-23		1.6	.1	14.8		16.1	4.7	.1	3.1	.1	8.0	900
TOTALS		1.5	.7	15.2		17.1	6.1	.0	3.3	.1	9.2	7200

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: DEC

HOURS (LST)	TSTMS	RAIN L/DR GRIZZLE	FRZING RAIN L/DR GRIZZLE	SNOW L/DR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE L/DR FAZE	BLOWING SNOW	DUST L/DR SAND	% OBS W/CBS TO VISION	TOTAL OBS
00-02		.1	1.0	23.7		24.6	5.5		5.3		10.6	930
03-05		.4	1.2	27.0		28.3	5.9		5.7		11.6	930
06-08		.4	1.3	26.8		27.8	6.8		5.6		12.4	930
09-11		.3	1.6	22.2		23.7	7.5		8.1		15.5	930
12-14		.6	1.5	20.3		21.9	6.6		9.4	.8	16.2	930
15-17		.9	.6	16.9		17.8	6.6		7.8	.5	14.5	930
18-20		.0	.9	17.4		18.6	6.1		4.2	.1	10.1	930
21-23		.1	.8	19.1		20.0	6.0		4.4		10.1	930
TOTALS		.4	1.1	21.7		22.8	6.4		6.3	.2	12.6	7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-87  
MONTH: ALL

MONTH	HOURS (LST)	TSTMS	RAIN	FRZING	SNOW	HAIL	% OBS WITH PRECIP	FOG	SMOKE	BLOWING SNOW	DUST	% OBS W/CBST TO VISION	TOTAL OBS
			E/OR GORIZZLL	RAIN E/OR GORIZZLE	E/OR SLEET				E/OR HAZE		E/OR SAND		
JAN	ALL	1	.2	.6	26.7		27.3	3.0	.1	8.3	.0	11.2	7440
FEB		1	.8	.8	25.5		26.7	8.9	.0	5.6	.0	14.5	6768
MAR		1	3.4	1.5	15.8		18.9	9.8	.3	3.5	.1	13.0	7440
APR		1	.1	5.3	.1	.0	11.1	3.5	.2	1.9	.6	6.2	7200
MAY		1	.4	8.0	.2		9.1	4.0	.4		1.0	5.2	7440
JUN		1	1.0	7.4			7.4	1.7			.1	1.9	7200
JUL		1	2.1	4.7			4.7	1.6	.1		.0	1.7	7440
AUG		1	1.3	5.2		.0	5.2	2.4	.5			2.9	7434
SEP		1	.4	9.0	.6		9.5	5.4	.3		.0	5.7	7200
OCT		1	.1	6.4	.1		9.5	4.8	.2	.8	.1	5.9	7440
NOV		1		1.5	.7		17.1	6.1	.0	3.0	.1	9.2	7200
DEC		1	.4	1.1	21.7		22.8	6.4		6.3	.2	12.6	7440
TOTALS		1	.5	4.4	.4	.0	14.1	4.8	.2	2.5	.2	7.6	87642

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM DAILY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 59-87  
MONTH: ALL

MONTH		TSTMS	RAIN	FRZING	SNOW	FAIL	% OBS	FOG	SMOKE	BLOWING	DUST	% OBS	TOTAL
			E/OR DRIZZLE	RAIL E/OR DRIZZLE	E/OR SLEET		WITH PRECIP		E/OR HAZE		SNOW	E/OR SAND	
JAN			8.2	0.6	65.1		67.3	18.8	1.4	28.9	.6	42.3	868
FEB			10.5	7.1	62.3		65.9	27.1	2.0	22.5	.1	44.9	791
MAR			16.5	5.0	47.2	.1	54.4	25.0	4.1	13.8		36.4	868
APR		2.9	34.0	2.1	23.6	.4	46.9	21.3	1.1	4.0	.7	44.6	840
MAY		10.0	48.4	.5	5.1	1.7	49.4	16.4	1.4	.2		17.2	868
JUN		25.2	55.2			1.1	55.2	13.4	.5		.1	14.3	840
JUL		26.7	46.2			1.0	46.2	10.4	1.0			10.8	868
AUG		20.2	44.6			1.7	42.6	12.4	2.2			13.7	868
SEP		7.8	41.9		3.2	.4	43.2	17.8	1.1	.1		18.4	810
OCT		1.2	28.1	.7	12.9		75.4	16.5	1.4	2.0		17.5	858
NOV		.1	15.0	5.2	41.1		44.2	20.6	2.0	7.9	.2	27.1	840
DEC			11.1	7.8	59.1		62.6	21.3	1.0	20.2	.1	37.6	867
TOTALS		7.8	29.9	2.4	26.6	.5	51.5	18.5	1.6	8.3	.1	25.4	10196

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#### PRECIPITATION, SNOWFALL AND SNOW DEPTH SUMMARIES

##### PERCENTAGE FREQUENCY OF VARIOUS DAILY AMOUNTS OF PRECIPITATION (SNOWFALL AND SNOW DEPTH) SUMMARIES:

THESE SUMMARIES DERIVE FROM SUMMARY OF DAY DATA.

DATA IS SUMMARIZED MONTHLY AND ANNUALLY WITH ALL YEARS COMBINED.

DISPLAYED ARE: PERCENT OF DAYS WITH MEASURABLE AMOUNTS, A PERCENT OF DAYS WITH NO AMOUNTS, TRACES, GIVEN AMOUNTS, MEANS, GREATEST AMOUNTS AND LEAST AMOUNTS (THE STATISTICAL VALUES ARE NOT INCLUDED IN THE SNOW DEPTH SUMMARY BECAUSE OF THEIR DOUBTFUL AND LIMITED VALUE).

ALSO PROVIDED ARE THE OBSERVATION COUNTS.

A VALUE OF "0.0" IN THESE TABLES INDICATES LESS THAN 0.0% WHICH USUALLY INDICATES ONLY ONE OCCURRENCE.

##### EXTREME DAILY AMOUNTS OF PRECIPITATION (SNOWFALL AND SNOW DEPTH) SUMMARIES

DATA DERIVED FROM SUMMARY OF DAY DATA

PRESENTED ARE THE EXTREME DAILY AMOUNTS OF PRECIPITATION, SNOWFALL AND SNOW DEPTH BY INDIVIDUAL MONTH AND YEAR.

ALSO PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATIONS COUNTS.

AN ASTERISK "\*" PRINTED IN THE TABLE INDICATES THAT THE EXTREME VALUE FOR THAT YEAR AND MONTH DERIVES FROM AN INCOMPLETE MONTH (AT LEAST ONE DAY OF THE MONTH IS MISSING).

WHEN A MONTH HAS VALID OBSERVATIONS REPORTED BUT NO OCCURRENCES, ZEROS ARE DISPLAYED IN THE TABLES:

EXTREME DAILY PRECIPITATION: "0.00" EQUALS NONE FOR THE MONTH (THUNDRETHS)

EXTREME DAILY SNOWFALL: "0.00" EQUALS NONE FOR THE MONTH (TENTHS)

EXTREME DAILY SNOW DEPTH: "0" EQUALS NONE FOR THE MONTH (WHOLE INCHES)

##### TOTAL MONTHLY AMOUNTS OF PRECIPITATION AND SNOWFALL SUMMARIES

DATA DERIVED FROM SUMMARY OF DAY DATA.

DATA PRESENTED BY YEAR AND MONTH.

ALSO PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNTS.

AN ASTERISK "\*" IN THE TABLES INDICATES THAT ONE OR MORE DAYS WERE MISSING FOR THE MONTH.

NO OCCURRENCES FOR THE MONTH ARE INDICATED BY ZEROS.

IF THE AMOUNT IS A TRACE, THEN "TRACE" IS PRINTED IN THE TABLES.

STATISTICAL VALUES DO NOT INCLUDE MEASUREMENTS FROM INCOMPLETE MONTHS.

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAL

PERCENTAGE FREQUENCY OF OCCURRENCE OF PRECIPITATION  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 59-87

AMOUNTS IN INCHES

MONTH	AMOUNTS IN INCHES														OVER 27.00	3 DAYS WITH MEAS AMTS	TOTAL OBS	MONTHLY AMOUNTS		
	NONE	TRACE	.01	.05	.10	.25	.50	1.00	2.50	5.00	10.00	20.00	MEAN	GREATEST				LEAST		
JAN	32.6	42.2	5.5	10.1	4.6	3.8	.6	.1						25.0	868	.55	1.42	.06		
FEB	33.6	41.2	5.9	11.4	3.7	4.3	.5							25.2	791	.43	1.07	.05		
MAR	45.4	30.6	4.8	9.3	3.8	4.6	1.3		.1					24.0	868	.63	2.09	.05		
APR	52.6	19.6	4.2	6.0	6.0	3.7	3.9	3.3	.7					27.7	840	1.87	6.47	.06		
MAY	50.6	19.4	3.6	7.6	4.1	5.2	4.4	3.6	1.2					29.6	868	2.27	5.16	TRACE		
JUN	46.6	19.4	2.7	7.9	4.9	8.6	6.6	2.7	1.5	.5				35.6	840	3.04	6.63	.43		
JUL	53.6	18.4	3.2	6.3	4.3	5.4	4.3	3.2	1.0					27.8	868	2.12	4.26	.09		
AUG	57.4	15.4	3.0	7.0	3.6	6.8	2.5	2.0	2.0					26.8	868	2.04	4.97	.16		
SEP	56.4	17.0	2.7	6.3	3.8	5.3	4.2	2.6	1.0	.1				26.0	810	2.00	7.06	.06		
OCT	64.3	18.1	2.0	5.4	2.5	3.0	2.8	1.5	.3	.1				17.6	868	1.15	4.94	TRACE		
NOV	50.3	24.7	4.6	6.7	3.9	2.9	1.6	.4						20.2	840	.58	1.92	.01		
DEC	36.6	40.7	5.3	9.7	4.3	3.1	.6	.3						23.3	868	.51	1.31	.14		
ANN	48.6	26.7	4.0	7.4	4.1	4.7	2.6	1.6	.6	.1				25.7	10197	17.19				

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAL

EXTREME VALUES OF PRECIPITATION  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 59-87

YEAR	24 HOUR AMOUNTS IN INCHES												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
59													
60	.43	.00	.22	.31	.01	.53	.31	1.15	.03	.68	.66	.10	1.15
61	.16	.35	.03	.76	.48	.40	.33	.10	.71	TRACE	.17	.25	.76
62	.30	.14	.17	.14	1.76	.01	1.04	1.03	.24	.76	.13	.07	1.76
63	.05	.09	.06	.76	1.28	1.57	.27	.20	.18	.23	.24	.24	1.57
64	.10	.25	.37	.64	1.41	1.67	.23	1.51	.96	.02	.49	.36	1.67
65	.11	.04	.13	.44	.91	1.38	1.05	.32	1.07	TRACE	.11	.46	1.38
66	.20	.14	.02	.41	1.23	.03	1.03	1.23	.15	.47	.18	.21	1.23
67	.40	.15	.10	1.65	.64	.75	.04	.36	.30	.49	.15	.73	1.65
68	.25	.00	.10	.55	.86	.77	.53	1.60	.67	.45	.30	.21	1.60
69	.22	.24	.11	.35	.44	1.92	.93	.50	.54	.48	.12	.51	1.92
70	.42	.25	.23	2.11	.79	1.37	2.37	.19	.41	.26	.47	.20	2.37
71	.31	.10	.45	.70	.40	.60	1.24	.18	4.46	1.44	.08	.08	4.46
72	.12	.24	.05	.10	.60	.42	1.05	1.11	.39	.27	.18	.12	1.11
73	.07	.04	.14	.40	.36	3.28	1.01	1.47	.79	.74	.21	.12	3.28
74	.10	.07	.16	.80	1.47	.39	.63	1.24	.26	.34	.31	.21	1.47
75	.26	.26	.30	1.70	.03	2.57	.89	.93	1.91	.98	.19	.22	2.57
76	.36	.17	.15	.97	.22	.63	.23	1.16	.07	.22	.01	.06	1.16
77	.14	.07	.00	.04	.89	1.15	.35	.84	1.06	.31	.29	.55	1.15
78	.04	.02	.09	.11	1.71	1.45	1.27	.79	1.06	.37	.20	.19	1.71
79	.05	.14	.15	.64	.38	.31	.40	1.31	.64	.20	.03	.21	1.31
80	.18	.17	.20	.46	TRACE	.65	.47	1.58	1.78	.65	.33	.11	1.78
81	.35	.00	.17	.41	.06	2.05	.55	.45	.27	.35	.39	.09	2.05
82	.15	.22	.22	.64	1.03	1.77	.72	1.36	1.75	1.05	.04	.44	1.77
83	.25	.21	.47	.04	.97	2.19	.03	.47	.92	.17	.40	.35	2.19
84	1.00	.13	.14	1.14	.10	1.02	.51	.15	.47	2.53	.48	.21	2.53
85	.21	.17	1.73	.50	1.19	.68	.44	2.45	.62	.85	.57	.16	2.45
86	.17	.14	.06	.98	.91	.28	.67	.30	.97	.23	.95	.06	.98
87	.12	.00	.00	.04	.50	.27	2.24	1.35					
MEAN	.720	.155	.253	.615	.401	1.172	.882	.844	.840	.521	.269	.138	1.878
STD	.193	.110	.314	.524	.469	.800	.576	.582	.685	.523	.223	.167	.781
TOTAL OBS	568	791	866	840	668	840	868	866	810	668	840	668	10197

NOTE: \* (BASED ON LESS THAN FULL MONTHS)



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

MONTHLY PRECIPITATION  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 59-87

TOTAL MONTHLY PRECIPITATION IN INCHES													
-M-O-N-T-H-S-													
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
59										2.19	1.97	.31	
60	.63	.05	.49	.93	2.46	1.59	.61	3.00	.06	TRACE	.43	.54	10.79
61	.27	.44	.13	1.86	1.36	.43	.84	.16	3.47	.05	.04	.38	9.76
62	.70	.40	.65	.31	5.16	3.24	3.66	3.10	.24	1.21	.43	.36	18.80
63	.09	.44	.17	2.43	3.21	6.06	3.26	1.20	.71	.25	.25	.35	18.32
64	.23	.47	.92	1.81	2.66	6.21	1.95	2.44	1.50	.03	1.58	.65	21.25
65	.53	.36	.67	1.01	3.79	2.89	4.05	.86	4.51	TRACE	.37	.88	19.44
66	.39	.16	.26	2.44	2.18	1.63	2.94	2.73	.45	.62	.57	.36	13.53
67	1.19	.55	.26	3.74	.73	.95	.39	.58	.77	1.56	.37	1.24	12.05
68	1.18	.23	.33	1.43	2.52	2.25	2.35	4.97	1.88	.93	1.04	.53	19.34
69	1.13	1.07	.36	.99	1.48	4.64	2.62	.59	.69	1.00	.19	1.31	16.09
70	1.42	.73	.86	8.47	2.89	2.62	3.63	.26	1.81	.60	.61	.38	24.66
71	.85	.14	1.38	1.90	.91	3.93	2.72	.34	7.06	3.42	.22	.20	23.00
72	.43	1.77	.96	.36	2.68	2.80	2.73	3.95	2.01	.47	.36	.34	18.16
73	.12	.17	.28	1.32	1.01	5.63	2.16	2.70	2.33	1.35	.54	.50	21.12
74	.41	.45	.44	2.62	4.37	.57	1.07	3.52	.40	.46	.01	.45	14.77
75	.30	.23	1.04	5.14	2.65	4.64	2.97	1.50	3.18	1.96	.61	.69	24.91
76	.23	.31	.62	3.48	.29	3.48	.55	4.02	.14	.25	.02	.26	13.65
77	.35	.16	.25	.09	2.95	3.33	1.23	1.66	4.03	.55	.57	1.10	16.13
78	.29	.06	.27	.59	4.21	2.54	2.10	1.39	2.76	.46	.57	.34	15.94
79	.36	.55	.62	2.01	1.70	.61	1.05	2.12	.88	.40	.10	.28	10.38
80	.61	.63	.28	.61	TRACE	1.67	1.56	4.83	3.85	1.53	.69	.28	16.73
81	.55	.11	.18	.63	.72	5.20	1.53	1.51	.69	.84	.56	.25	12.77
82	.68	.48	.63	.15	3.89	3.74	1.79	1.37	2.71	4.10	.13	.67	20.34
83	.53	.31	1.21	.14	1.62	3.35	2.74	.93	2.63	.30	.66	.50	14.98
84	1.74	.29	.53	4.36	.14	3.11	1.62	.40	1.42	4.94	.88	.56	19.01
85	.40	.33	2.09	1.24	3.44	2.30	.68	3.93	1.91	1.92	1.20	.29	20.23
86	.36	.46	.52	3.23	1.92	1.11	3.31	1.06	1.90	.83	1.45	.14	16.29
87	.37	.71	1.53	.00	2.04	1.18	4.28	2.09					
MEAN	.48	.40	.630	1.672	2.274	3.039	2.115	2.043	2.000	1.154	.563	.512	17.129
S.D.	.388	.295	.509	1.572	1.374	1.918	1.344	1.430	1.622	1.240	.479	.308	4.154
TOTAL OBS	608	791	868	640	668	640	868	868	810	868	940	669	10197

NOTE \* (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOWFALL  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 59-67

MONTH	AMOUNTS IN INCHES														OVER	% DAYS WITH MEAS AMTS	TOTAL OBS	MONTHLY AMOUNTS		
	NONE	TRACE	0.1	0.5	1.5	2.5	3.5	4.5	6.5	10.5	15.5	25.5	MEAN	GREATEST				LEAST		
			TO	TO	TO	TO	TO	TO	TO	TO	TO	TO								
JAN	35.1	39.9	11.3	9.1	2.1	1.6	.7	.3						25.0	868	7.2	16.2	1.0		
FEB	37.3	37.4	12.3	8.1	3.9	.8		.3						25.3	791	5.8	15.7	.7		
MAR	52.6	26.4	10.4	6.5	2.1	.8	.3	.2	.1		.1			20.5	868	6.1	19.4	TRACE		
APR	76.1	14.2	3.2	2.5	1.8	.7	.6	.5	.5					9.8	840	5.2	43.6	.0		
MAY	95.0	3.1	1.0	.5	.2	.1								1.8	868	.5	4.3	.0		
JUN	100.0														840	.0	.0	.0		
JUL	100.0														868	.0	.0	.0		
AUG	100.0														868	.0	.0	.0		
SEP	96.4	2.6		.2	.1	.1								.5	810	.2	3.2	.0		
OCT	86.9	8.5	1.6	1.5	.5	.3	.2	.1	.3					4.6	868	2.4	16.6	.0		
NOV	56.3	24.6	6.1	4.5	2.0	.6	.4	1.3	.1					17.3	840	6.2	20.0	TRACE		
DEC	40.3	35.9	12.7	6.1	2.3	1.3	.8	.3	.2					23.7	868	7.0	17.3	1.4		
ANN	73.2	16.1	5.0	3.2	1.2	.5	.2	.2	.1		.0			10.7	10197	40.6				

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOWFALL  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 727675 STATION NAME: MINGI AFB ND

PERIOD OF RECORD: 59-87

24 HOUR AMOUNTS IN INCHES													
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
59										7.0	5.0	1.0	
60	6.1	1.3	2.0	1.1	TRACE	.0	.0	.0	.0	TRACE	1.7	1.6	6.1
61	1.6	3.2	1.4	3.2	TRACE	.0	.0	.0	TRACE	TRACE	TRACE	1.7	3.2
62	3.5	1.0	1.1	.2	TRACE	.0	.0	.0	.0	.1	1.1	2.5	3.5
63	.7	1.1	.6	2.8	1.4	.0	.0	.0	.0	.0	1.9	1.0	2.8
64	3.0	3.2	3.7	1.7	.0	.0	.0	.0	TRACE	.2	4.9	4.0	4.9
65	1.1	.4	1.3	.4	.1	.0	.0	.0	1.6	.0	1.2	3.5	3.5
66	2.7	1.7	.4	4.0	.5	.0	.0	.0	.0	1.4	2.3	1.7	4.0
67	5.2	2.3	1.6	3.0	.3	.0	.0	.0	.0	.5	1.6	5.6	9.6
68	3.9	.0	1.4	6.4	1.9	.0	.0	.0	.0	TRACE	3.0	1.1	6.4
69	1.7	2.4	1.1	TRACE	TRACE	.0	.0	.0	.0	.6	1.7	1.1	5.1
70	4.2	2.6	3.0	8.0	TRACE	.0	.0	.0	.0	TRACE	4.7	1.0	8.0
71	3.6	1.3	4.7	1.9	TRACE	.0	.0	.0	TRACE	3.3	.8	.8	4.7
72	1.2	2.4	2.5	.9	.0	.0	.0	.0	1.2	2.2	3.9	1.0	3.9
73	1.0	1.8	1.4	2.0	.0	.0	.0	.0	.0	1.3	4.0	1.6	4.0
74	2.7	2.1	2.4	1.4	3.3	.0	.0	.0	.0	.3	.2	7.4	7.4
75	1.5	1.0	7.7	5.1	.0	.0	.0	.0	.0	1.1	5.7	1.2	7.7
76	1.8	2.0	4.1	TRACE	TRACE	.0	.0	.0	.0	.3	.4	1.2	4.1
77	4.0	.8	.2	.3	.0	.0	.0	.0	.0	TRACE	3.2	1.0	4.0
78	1.0	.4	1.1	2.3	.0	.0	.0	.0	.0	.0	6.4	4.8	6.4
79	1.3	5.4	2.7	3.7	2.1	.0	.0	.0	.0	TRACE	.7	2.2	5.4
80	7.0	5.0	2.8	6.7	.0	.0	.0	.0	.0	1.5	2.2	1.2	6.0
81	3.7	.9	TRACE	.0	TRACE	.0	.0	.0	.0	TRACE	4.6	1.7	4.6
82	5.7	2.5	2.2	TRACE	.7	.0	.0	.0	.0	1.0	.8	1.0	5.7
83	2.5	.5	1.2	.8	.3	.0	.0	.0	TRACE	TRACE	.8	3.5	3.5
84	1.0	1.5	1.9	9.0	TRACE	.0	.0	.0	1.0	4.0	.8	3.5	9.0
85	3.1	1.7	16.5	TRACE	.0	.0	.0	.0	TRACE	8.5	5.9	1.6	16.5
86	1.7	1.4	2.3	2.0	.0	.0	.0	.0	.0	.3	10.1	.6	10.1
87	3.0	2.0	4.7	.1	.0	.0	.0	.0					
MEAN	2.66	1.95	2.70	2.36	.36	.00	.00	.00	.21	1.34	2.83	2.97	5.93
S.D.	1.495	1.265	3.175	2.531	.810	.000	.000	.000	.695	2.247	2.404	2.013	2.916
TOTAL OBS	468	791	866	640	668	840	868	868	810	868	840	668	10197

NOTE • (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

MONTHLY SNOWFALL  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 59-87

TOTAL MONTHLY SNOWFALL IN INCHES													
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
59										16.0	20.0	2.5	
60	11.0	.7	5.3	.9	TRACE	.0	.0	.0	.0	TRACE	4.4	6.4	28.7
61	1.7	8.2	.8	5.6	TRACE	.0	.0	.0	TRACE	TRACE	TRACE	4.8	19.1
62	7.2	4.9	2.6	.2	TRACE	.0	.0	.0	.0	.1	2.2	5.3	22.5
63	1.1	5.2	1.3	3.7	1.4	.0	.0	.0	.0	.0	1.9	1.9	18.5
64	4.3	10.2	9.1	2.7	.0	.0	.0	.0	TRACE	.2	15.6	11.6	53.7
65	5.1	.8	4.6	1.1	.1	.0	.0	.0	2.3	.0	3.6	5.4	23.0
66	5.3	1.9	.6	10.8	.5	.0	.0	.0	.0	1.4	7.0	5.9	33.4
67	14.8	8.7	5.3	9.3	.3	.0	.0	.0	.0	.5	3.4	17.3	59.6
68	15.0	3.3	2.7	7.5	2.5	.0	.0	.0	.0	TRACE	8.7	7.0	46.7
69	12.2	11.6	3.4	TRACE	TRACE	.0	.0	.0	.0	1.0	1.8	13.8	43.9
70	14.5	7.5	11.7	43.8	TRACE	.0	.0	.0	.0	TRACE	6.1	4.3	87.9
71	6.5	1.9	7.1	1.9	TRACE	.0	.0	.0	TRACE	3.8	1.9	2.0	27.1
72	4.0	11.3	7.9	1.7	.0	.0	.0	.0	2.2	3.5	6.8	4.3	42.9
73	1.0	3.5	2.1	3.5	.0	.0	.0	.0	.0	1.3	7.9	13.9	33.2
74	10.4	13.0	6.5	2.0	4.3	.0	.0	.0	.0	.4	.3	13.6	51.3
75	7.4	7.3	19.4	10.5	.0	.0	.0	.0	.0	8.7	15.1	12.8	81.2
76	5.5	6.8	13.8	TRACE	TRACE	.0	.0	.0	.0	.4	1.3	5.7	33.5
77	8.2	2.6	.4	.3	.0	.0	.0	.0	.0	TRACE	7.2	12.0	31.7
78	1.9	1.4	2.7	2.6	.0	.0	.0	.0	.0	.0	12.6	6.1	29.3
79	1.6	15.7	10.4	9.7	3.3	.0	.0	.0	.0	TRACE	2.5	4.6	47.8
80	10.0	9.3	4.2	6.3	.0	.0	.0	.0	.0	4.2	3.2	5.8	46.7
81	7.9	1.3	TRACE	.0	TRACE	.0	.0	.0	.0	TRACE	6.3	4.3	19.8
82	15.2	6.0	8.4	TRACE	.2	.0	.0	.0	.0	1.3	1.3	3.4	38.8
83	5.2	1.7	3.2	.9	.5	.0	.0	.0	TRACE	TRACE	1.5	5.0	18.0
84	2.4	3.1	5.5	10.5	TRACE	.0	.0	.0	1.0	8.7	2.3	7.0	46.5
85	4.0	7.2	19.3	TRACE	.0	.0	.0	.0	TRACE	16.0	12.0	3.1	56.6
86	7.6	4.0	3.5	5.0	.0	.0	.0	.0	.0	.3	17.4	1.4	33.8
87	6.4	6.7	9.7	.1	.0	.0	.0	.0					
MEAN	7.17	5.81	6.09	5.16	.47	.00	.00	.00	.24	2.42	6.23	7.01	39.82
S.D.	4.770	4.082	5.068	6.718	1.090	.000	.000	.000	.759	4.516	5.580	4.200	17.779
TOTAL OBS	568	791	866	640	868	840	868	868	810	868	840	868	10197

NOTE \* (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR FATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOW DEPTH  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 59-87

MONTH	AMOUNTS IN INCHES														% DAYS WITH MEAS- URES	TOTAL OBS	MONTHLY AMOUNTS	
	NONL	TRACE	1	2	3	4	5	6	7	8	9	10	11	12			MEAN	GREATEST LEAST
JAN	1.7	12.1	14.1	11.9	10.1	22.0	21.4	6.7							86.2	868		
FEB	6.3	16.2	13.4	12.5	8.6	17.6	19.0	6.4							77.5	791		
MAR	12.7	16.4	13.0	10.5	7.6	11.1	6.1	2.6							50.9	868		
APR	76.9	9.9	3.5	1.9	1.2	2.6	2.9	1.2							13.2	840		
MAY	97.8	1.2	.5	.2	.1	.1	.1								1.0	868		
JUN	100.0															840		
JUL	100.0															868		
AUG	100.0															868		
SEP	99.0	.7	.2												.2	810		
OCT	91.7	4.7	1.0	.6	.8	.3	.6								3.6	868		
NOV	58.0	12.5	8.3	7.1	2.9	5.8	3.7	1.7							29.5	840		
DEC	15.4	12.5	22.1	17.9	10.8	14.9	9.6	3.0							71.3	868		
ANN	65.0	7.2	6.3	4.6	3.5	6.2	5.3	1.8							27.8	10197		

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOW DEPTH  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 59-87

YEAR	DAILY SNOW DEPTH IN INCHES -M-O-N-T-H-S-												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
59										10	8	3	
60	11	3	4	2	0	0	0	0	0	0	3	4	11
61	5	4	2	1	0	0	0	0	0	0	TRACE	4	5
62	7	8	7	TRACE	0	0	0	0	0	0	1	4	8
63	4	3	2	4	0	0	0	0	0	0	0	3	4
64	2	4	7	3	0	0	0	0	0	0	10	15	15
65	15	14	3	2	0	0	0	0	1	0	1	4	15
66	7	6	1	2	4	0	0	0	0	0	3	4	8
67	13	10	7	5	2	0	0	0	0	0	2	14	14
68	21	6	1	7	0	0	0	0	0	0	4	6	21
69	13	21	21	1	0	0	0	0	0	TRACE	1	11	21
70	13	9	6	20	0	0	0	0	0	TRACE	4	4	20
71	8	6	5	1	TRACE	0	0	0	0	3	2	2	8
72	2	7	9	1	0	0	0	0	1	3	4	5	9
73	3	3	2	1	0	0	0	0	0	1	4	6	6
74	8	10	4	3	0	0	0	0	0	TRACE	TRACE	11	11
75	7	9	16	16	0	0	0	0	0	3	13	11	16
76	10	5	10	0	0	0	0	0	0	TRACE	TRACE	4	10
77	7	3	2	TRACE	0	0	0	0	0	0	7	14	14
78	17	7	4	2	0	0	0	0	0	0	8	11	11
79	11	17	13	7	2	0	0	0	0	0	2	2	17
80	8	6	4	5	0	0	0	0	0	3	2	4	8
81	4	4	0	0	0	0	0	0	0	TRACE	4	3	4
82	18	16	9	TRACE	0	0	0	0	0	TRACE	TRACE	2	16
83	3	2	2	1	TRACE	0	0	0	0	0	1	5	5
84	5	2	4	16	7	0	0	0	TRACE	3	3	3	16
85	4	3	17	7	0	0	0	0	TRACE	11	12	12	17
86	5	4	1	3	0	0	0	0	0	TRACE	16	1	16
87	6	6	7	TRACE	0	0	0	0					
PLAN	8.2	7.3	6.1	4.2	.5	.0	.0	.0	.1	1.3	4.2	6.1	12.1
S.D.	4.802	5.025	5.204	5.252	1.551	.000	.000	.000	.267	2.642	4.252	4.149	5.289
TOTAL OBS	868	791	808	840	868	840	868	868	810	868	840	868	10197

NOTE \* (BASED ON LESS THAN FULL MONTHS)

PPPPPPPP	AAAAAA	RRRRRRR	TTTTTTTT	CCCCC
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTT	CCCCCCC
PP PP	AA AA	RR RR	TT	CC CC
PP PP	AA AA	RR RR	TT	CC
PPPPPPPP	AA AA	RRRRRRRR	TT	CC
PPPPPPPP	AAAAAAAAA	RRRRRRR	TT	CC
PP	AAAAAAAAA	RR RR	TT	CC
PP	AA AA	RR RR	TT	CC CC
PP	AA AA	RR RR	TT	CCCCCCC
PP	AA AA	RR RR	TT	CCCCC

#### SURFACE WIND SUMMARIES

##### EXTREME VALUES OF PEAK WINDS

DATA DERIVED FROM SUMMARY OF DAY DATA.

VALUES PRESENTED BY INDIVIDUAL MONTH AND YEAR WITH ALL YEARS COMBINED.

SPEEDS PRESENTED IN KNOTS.

DIRECTIONS PRESENTED IN 16 COMPASS POINTS FROM BEGINNING OF PERIOD OF RECORD THROUGH JUNE 1968. COMMENCING JULY 1968 DIRECTIONS PRESENTED IN TENS OF DEGREES.

AN ASTERISK "\*" IN THE TABLES INDICATES THAT THE VALUE IS BASED ON AN INCOMPLETE MONTH OF THREE OR MORE MISSING DAYS.

MEANS AND STANDARD DEVIATIONS PRESENTED DO NOT INCLUDE INCOMPLETE MONTHS. FOUR OR MORE MONTHS ARE NEEDED TO COMPUTE THESE STATISTICS AND INCOMPLETE MONTHS ARE NOT INCLUDED.

TABLES ALSO INCLUDE THE OBSERVATION COUNTS.

##### BIVARIATE PERCENTAGE FREQUENCY TABULATIONS OF SURFACE WINDS

DATA DERIVED FROM HOURLY DATA.

PRESENTED ARE THE PERCENTAGE FREQUENCY OF WIND DIRECTION TO 16 COMPASS POINTS, CALM AND VARIABLE VERSUS WIND SPEED IN KNOTS IN INCREMENTS OF BEAUFORT CLASSIFICATIONS.

PERCENTAGES ARE SHOWN BY BOTH DIRECTIONS AND SPEED, AND IN ADDITION THE MEAN WIND SPEED IS GIVEN FOR EACH DIRECTION.

DATA PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

A SEPARATE ANNUAL TABLE PRESENTS THE SAME BIVARIATE DISTRIBUTIONS WITH IMPOSED CEILING/VISIBILITY LIMITATIONS: WHEN VISIBILITY IS EQUAL TO OR GREATER THAN 1/2 MILES, THE CEILINGS ARE 200 TO 1400 FEET AND/OR WHEN THE CEILING IS EQUAL TO OR GREATER THAN 200 FEET, THE VISIBILITIES ARE 1/2 THROUGH 2 1/2 MILES.

A PERCENTAGE VALUE OF ".0" IN THESE TABLES INDICATES ONE OR MORE OCCURRENCES AMOUNTING TO LESS THAN .05%.



GLOBAL CLIMATOLOGY BRANCH  
USAFITAC  
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SURFACE WINDS  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 60-87

YEAR	DAILY PEAK GUSTS IN KNOTS												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	
60	NW 24	NNW 52	NNW 31	NNW 45	NNW 36	SSW 36	NNE 36	NW 39	NNW 37	NNW 32	NW 51	NW 37	NNW 52
61	NW 38	NW 38	NW 39	NW 40	NW 39	NW 42	SW 40	SSW 40	NNW 52	NW 48	NNW 45	NW 40	NNW 52
62	NNW 50	NNE 37	NW 33	NNW 40	NW 40	NNW 36	NNW 36	NW 50	NNW 38	NNW 45	NW 48	NW 43	NNW 50
63	NNW 43	NNW 45	NW 46	WSW 37	NW 49	NW 52	NNW 43	NNW 39	NNE 42	WSW 35	NW 41	NNW 41	NW 52
64	NW 53	WSW 37	NW 43	NW 42	S 43	NNE 44	NNW 45	NW 52	NW 45	NW 48	NNW 47	NNW 43	NW 53
65	NW 33	NNW 70	NW 36	NNE 47	NW 55	ESE 46	NNE 46	NW 33	NW 40	NNW 43	NNW 40	NNW 36	NNW 70
66	NW 41	NNW 41	NW 53	NW 32	NNW 46	E 47	NNE 40	NNW 51	NNW 35	NW 45	NNW 40	NNW 44	NW 53
67	NW 50	NW 59	NNW 44	S 44	NNW 57	NNW 40	NW 58	WSW 41	NW 42	NW 49	NNW 49	NNW 38	NW 50
68	NNW 35	NW 41	NNW 46	NW 39	NW 48	NW 49	SW 48	SW 44	29/ 45	30/ 49	29/ 36	30/ 57	30/ 57
69	32/ 38	29/ 51	28/ 35	5/ 47	32/ 46	3/ 38	27/ 39	22/ 42	29/ 42	30/ 46	32/ 50	24/ 36	24/ 51
70	30/ 34	30/ 49	28/ 37	29/ 61	2/ 40	7/ 62	26/ 52	30/ 39	31/ 43	32/ 47	21/ 51	31/ 52	24/ 62
71	29/ 42	28/ 31	32/ 35	8/ 54	31/ 32	5/ 39	31/ 48	2/ 37	29/ 36	21/ 49	29/ 53	30/ 32	6/ 54
72	29/ 43	31/ 58	70/ 51	30/ 41	31/ 40	27/ 36	14/ 44	25/ 62	30/ 44	31/ 35	30/ 32	21/ 34	25/ 62
73	31/ 33	24/ 35	14/ 35	6/ 34	13/ 41	12/ 46	27/ 41	14/ 40	31/ 34	29/ 33	28/ 43	30/ 58	30/ 58
74	32/ 40	35/ 42	28/ 45	2/ 31	4/ 32	31/ 48	37/ 49	4/ 40	30/ 43	32/ 39	30/ 42	30/ 39	30/ 49
75	31/ 64	33/ 46	34/ 41	15/ 42	9/ 42	31/ 37	31/ 67	32/ 74	26/ 54	28/ 38	29/ 37	31/ 39	32/ 74
76	29/ 45	29/ 41	32/ 43	2/ 38	2/ 54	19/ 40	30/ 45	5/ 48	32/ 32	29/ 55	31/ 46	30/ 41	24/ 55
77	31/ 43	1/ 44	3/ 49	33/ 41	21/ 47	33/ 60	31/ 44	32/ 43	25/ 41	31/ 41	27/ 44	32/ 39	33/ 60
78	32/ 38	31/ 41	30/ 44	29/ 45	17/ 39	34/ 54	25/ 47	33/ 49	7/ 41	29/ 40	27/ 55	29/ 48	27/ 55
79	31/ 37	12/ 24	30/ 39	35/ 38	29/ 46	19/ 40	30/ 39	21/ 32	32/ 35	31/ 46	31/ 35	30/ 52	30/ 52
80	31/ 50	32/ 45	31/ 44	36/ 46	13/ 42	27/ 50	25/ 58	29/ 44	28/ 47	30/ 51	31/ 38	30/ 44	25/ 58
81	30/ 32	31/ 44	34/ 36	1/ 47	7/ 35	29/ 42	32/ 40	8/ 32	30/ 41	35/ 37	34/ 36	30/ 34	1/ 47
82	32/ 45	30/ 37	28/ 53	2/ 39	27/ 41	20/ 37	28/ 40	33/ 32	32/ 32	31/ 34	31/ 35	30/ 34	28/ 53
83	31/ 50	17/ 28	33/ 28	32/ 34	22/ 39	16/ 33	27/ 64	34/ 48	29/ 41	32/ 32	28/ 34	29/ 36	27/ 64
84	33/ 36	36/ 41	35/ 41	36/ 52	30/ 55	30/ 42	33/ 34	28/ 46	30/ 49	31/ 53	32/ 50	31/ 48	30/ 55
85	25/ 44	30/ 37	5/ 40	25/ 37	28/ 44	29/ 52	33/ 30	8/ 35	29/ 37	31/ 37	30/ 37	30/ 51	29/ 52
86	29/ 52	28/ 32	29/ 55	27/ 35	2/ 41	31/ 43	14/ 40	32/ 39	8/ 52	32/ 35	34/ 48	31/ 47	29/ 55
87	30/ 45	32/ 44	33/ 40	24/ 42	30/ 42	23/ 49	9/ 32	18/ 38					
MEAN	43.0	42.7	41.1	41.9	43.3	43.8	44.6	43.0	41.5	42.4	42.5	42.4	57.7
S.D.	7.502	9.742	6.637	6.487	6.738	7.428	9.157	9.480	5.905	6.940	6.813	7.121	6.993
TOTAL OBS	817	767	658	834	858	827	856	845	901	793	793	831	9880

NOTES \* (BASED ON LESS THAN FULL MONTHS)  
\* (BASED ON LESS THAN FULL MONTHS AND \*100 KNOTS)

GLOBAL CLIMATELOGY BRANCH  
USAFETAC  
AIR FATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: JAN FOURSLST: 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-2	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.3	1.6	1.0	1.7	.2	.2					4.6	9.4
NNE	.1	.6	.6	.3	.3						2.0	5.9
NE	.3	.2	.1	.2							.9	5.4
NNE		.4	.6								1.3	7.1
E	.2	.4	.9	1.2							3.3	9.2
ESE	.6	1.4	1.5	1.7							4.5	7.6
SE	1.3	1.6	1.6	.5							5.1	6.6
ESE	1.2	1.9	1.3	.4							4.6	6.2
S	1.4	.6	1.5	.1	.1						3.9	6.2
SSW	.5	.4	.1	.5							1.6	6.9
SW	.5	1.4	.4	.5							3.1	6.1
WSW	.3	1.6	1.4	1.5	.2	.1					5.2	9.1
W	1.0	3.1	5.8	3.4	.8	.4					14.5	9.3
WNW	.5	3.3	4.6	5.1	1.9	1.0	.2				16.7	11.5
NW	.6	.9	3.7	5.9	2.5	.3	.6	.1			15.1	13.7
NNW	.2	1.5	1.1	2.7	.3	.3	.1				6.2	11.1
VARIABLE												
CALM	////////////////////											7.7
TOTALS	9.7	21.5	26.6	24.7	6.3	2.8	1.0	.1			100.0	9.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAL

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: WINDT AFB MD

PERIOD OF RECORD: 78-87  
MONTH: JAN FOURSECT: 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.1	1.7	1.5	1.4	.8	.7						6.6	9.3
NNE	.2	.4	.6	.1								1.4	7.2
NE		.1										.1	5.0
NNE		.1	.1	.1								.3	6.0
E	.6	1.1	1.3	1.4								4.4	8.5
ESE	.5	1.1	1.5	1.5								4.6	8.3
SE	1.2	1.7	.8	1.2								4.6	6.9
SSE	.5	1.2	.6	1.0								4.3	7.0
S	1.2	1.7	1.4	.4								4.7	6.2
SSW	.6	.6	.4	.1								1.9	5.1
SW	.7	.6	.5	.5								2.2	8.1
WSW	.5	1.5	1.7	1.4	.2	.4						6.2	9.1
W	1.3	2.2	5.1	3.3	1.1		.2					13.1	9.8
WNW	1.7	2.2	4.2	5.1	2.0	.8	.1	.1				15.4	11.6
NW	.5	2.3	4.2	7.3	1.6	1.0	.4	.1				17.4	12.6
NNW	.1	.5	2.4	1.4	.4	.4						5.3	11.3
VARIABLE													
CALM	////////////////////											7.5	////
TOTALS	9.6	20.2	26.5	26.3	6.1	2.8	.8	.2				100.0	9.1

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATELOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAL

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINGOT AIR NO

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(EST): 0000-0600

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	0.1	1.7	2.0	1.4		0.2						5.4	5.0
NNE	0.4	0.7	0.3									1.4	5.4
NEL	0.1	0.1		0.1								0.3	5.4
ENE	0.1	0.1										0.2	5.4
E	0.1	0.6	1.0	1.4	0.2							3.3	5.4
ESE	0.3	1.0	1.6	1.2	0.3							4.4	5.4
SE	1.0	2.4	1.7	1.7	0.1							6.9	7.0
SSE	1.0	1.4	1.5	1.0	0.1							4.9	7.0
S	0.6	1.4	0.9									3.0	5.4
SSW	0.4	1.0	0.4	0.4								2.3	6.5
SW	0.6	1.3	0.8	1.0	0.2	0.1						4.0	6.4
WSW	1.1	2.7	1.7	1.2	0.3	0.1	0.2					6.9	6.5
W	1.4	3.2	4.9	3.7	1.0	0.4	0.1					14.4	9.4
WNW	1.1	1.1	2.3	6.3	2.4	0.8	0.2	0.3				14.4	13.2
NW	0.2	1.6	3.1	5.5	2.6	1.1	0.2					14.5	13.5
NNW	0.8	1.1	2.3	2.6	1.1	0.3	0.1					8.4	11.5
VARIABLE													
CALM	////////////////////											5.9	////
TOTALS	10.2	14.9	24.5	26.9	8.5	3.0	0.9	0.3				100.0	9.5

TOTAL NUMBER OF OBSERVATIONS: 930

10

SECRET 74-07

MOBILE: JAL.      NO. 25 (S11): 292.0-1100

TOTAL NUMBER OF OBSERVATIONS: 915

GLOBAL CLIMATE ONLY - 50%  
CAPITAL  
AIR - WATER - SERVICE

TABLE 10:  $\text{Re}(\mu_{\text{eff}})$  and  $\text{Im}(\mu_{\text{eff}})$  in units of  $\text{GeV}^2$

PERIOD OF RECORD: 7A-F7  
MONTH: JAN HOURS/CS: 1200-1400

DIRECTION TOP-G-SECT-1	TINCH SPEED TONNAGES										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	1.1	1.7	1.9	1.7	.5	.7					7.5	9.3
NE	.7	.7	.9		.2						1.6	2.2
E	.1	.2	.1	.1							.2	1.1
SE	1.1	1.7	.1	.1							.2	6.8
S	.3	.4	.9	1.1	.1						3.0	6.7
SW	.1	.7	1.9	1.7	.9	.1					9.7	10.4
W	.7	.9	1.8	.7	.6						4.0	5.6
WNW	.1	1.1	1.3	1.7	.2						4.0	9.7
NW	.3	1.7	1.3	1.1	.1						4.6	7.9
WSW	.7	.9	1.6	.3	.1						2.4	6.7
WSSW	.7	.6	1.3	.7							3.0	6.5
WS	.1	1.7	1.0	1.3	1.0	.1					5.5	11.3
WSW	.3	1.7	2.4	4.1	1.8	.9	.1	.1			11.7	12.6
WSW	.1	1.1	2.3	5.8	2.6	1.9	.9				13.5	14.5
WSW	.1	1.3	2.9	5.3	4.8	2.0	.9				16.9	14.1
WSW	.4	1.3	3.4	3.1	1.6	1.0	.1				11.0	12.4
VARIABLE												
CALC	////////////////////////////////////										4.7	////
TOTAL	5.3	14.6	25.2	29.0	14.2	5.6	1.1	.7			100.0	11.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATELOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/PAL

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 777675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(UT): 1500-1700

DIRECTION (COLOR, FSI)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-7	8-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50		
N	.4	1.0	3.1	1.7	.6	.1					9.0	4.5
NNE	.6	.9	.3	.4	.1						2.4	6.6
NE	.4	.1		.1	.1						1.3	5.7
NNE	.1	.1	.4	.1							1.8	6.6
E	.7	1.0	1.3	.6	.3	.1					3.7	9.1
ESE	.2	1.7	1.8	1.1	.3						4.7	9.0
SE	.7	1.0	1.3	.5	.2						3.7	7.8
SSE	.6	.4	2.0	1.4							4.5	8.7
S	.3	1.4	1.2	1.1							4.0	7.7
SSE	.2	.1	.8	.4	.1						2.2	8.0
SW	.7	1.2	.6	.4							2.5	7.3
WSW	.4	1.1	1.6	1.3	1.0	.2					5.6	10.8
W	.7	2.7	3.1	4.0	1.4	.4					12.2	11.2
WNW	.5	1.0	2.5	4.7	2.4	1.2	.2	.1			12.6	14.0
NW	.3	1.7	4.0	4.7	3.8	2.4	.4				17.3	14.5
NNW	.1	1.0	3.2	2.5	1.4	.4	.2				9.0	12.2
VARIABLE												
CALM	////////////////////										3.7	////
TOTALS	6.5	17.0	27.7	26.8	11.7	4.9	.9	.1			100.0	10.6

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MSC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(IST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.1	1.9	2.4	1.7	.4						7.5	8.3
NNE	.2	1.7	1.0	.8	.1						3.0	6.5
NE	.0	.7	.3	.2							1.5	5.1
ENE	.4	.9	.4	.3							2.0	6.5
E	.2	1.2	.6	1.5							3.5	8.8
ESE	.1	.9	1.3	1.3	.3						3.9	10.1
SE	.4	1.4	2.0	.6	.1						5.1	7.4
SSE	.3	1.4	1.6	.6							4.8	6.7
S	1.4	1.3	1.4	.4							4.5	5.8
SSW	1.1	.6	.2	.2							2.3	4.7
SW	.4	.8	.2	.3	.1						1.8	7.3
WSW	.8	1.2	1.4	1.5	.6	.2					5.7	9.8
W	.5	3.0	4.2	3.4	.8	.1					12.0	5.6
WNW	.6	2.0	4.9	3.9	2.4	1.7	.3	.1			16.0	12.9
NW	.4	1.7	2.8	4.2	2.8	1.2	.3	.1			13.5	13.8
NNW	.4	.6	2.5	1.7	1.2	.6					7.1	12.2
VARIABLE												
CALM	////////////////////										5.6	////
TOTALS	9.6	21.2	27.3	22.6	8.8	3.9	.6	.2			100.0	9.5

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(IST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.5	2.6	2.6	1.5	.9	.1						8.5	9.1
NNE	.2	.9	.4	.1	.2							1.8	7.8
NE	.1	.9	.3		.1							1.3	6.7
ENE	.1	.4	.1	.3								1.0	8.6
E	.3	.6	.6	1.1								2.7	9.1
ESE	.5	1.9	1.9	1.0								5.4	7.5
SE	1.2	1.4	.9	1.0								4.4	6.9
SSE	.6	1.2	1.6	.6								5.2	6.9
S	.6	1.6	.6	.6								3.5	6.5
SSW	1.1	.5	.3	.2								2.2	4.6
SW	.5	.6	.5	.4								2.2	6.6
WSW	.9	1.1	1.3	1.4	.1							4.7	8.4
W	1.5	3.4	4.4	3.5	1.5	.3	.1					15.4	9.5
WNW	.3	2.8	3.5	3.7	1.4	.9	.5	.1				13.2	12.4
NW		1.6	4.3	5.2	2.5	1.4	.4					15.4	13.6
NNW	.5	1.2	1.7	2.2	1.1	.1						6.8	10.9
VARIABLE													
CALM	////////////////////											6.5	////
TOTALS	9.1	23.7	25.8	23.2	7.7	2.8	1.1	.1				100.0	9.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAL  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.8	1.7	2.1	1.7	.4	.1					6.8	9.1
NNE	.3	.7	.5	.5	.1						1.9	7.7
NE	.7	.7	.1	.1	.0						.9	5.6
ENE	.1	.4	.3	.2							1.0	7.0
E	.4	.6	.8	1.3	.1	.0					3.4	9.0
ESE	.3	1.1	1.5	1.4	.3	.0					4.6	9.1
SE	.8	1.7	1.5	.0	.1	.0					4.6	7.5
SSE	.6	1.5	1.4	1.0	.1						4.6	7.6
S	.9	1.4	1.1	.6	.0						4.0	6.5
SSW	.6	.7	.5	.3	.0						2.2	6.4
SW	.4	.9	.6	.6	.1	.0					2.6	7.8
WSW	.6	1.5	1.6	1.3	.5	.1	.0				5.7	9.5
W	1.0	2.6	4.4	3.6	1.2	.4	.1	.0			13.5	10.2
WNW	.6	1.4	3.4	5.0	2.2	1.1	.3	.1			14.5	12.9
NW	.3	1.6	3.5	5.3	3.0	1.4	.4	.0			15.7	13.8
NNW	.4	1.0	2.4	2.3	1.0	.6	.1				7.8	11.9
VARIABLE												
CALM	////////////////////										6.2	////
TOTALS	8.4	19.5	25.9	26.0	9.2	3.9	.9	.2			100.0	9.8

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATELOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(IST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.1	2.0	2.7	2.7								8.5	6.5
NNE	.6	1.1	.6	.2								2.5	5.8
NE	.4	.7	.2									1.3	5.0
ENE	.6	.5	.4									1.4	4.7
E	.6	.9	2.6	.9	.1							5.2	6.3
ESE	1.2	1.3	2.5	1.3	.7	.1						7.1	9.2
SE	.6	1.7	1.8	1.3	.2	.4						5.6	9.6
SSE	1.3	2.4	1.2	.7	.1							5.7	6.6
S	.5	2.1	1.4	.1	.1							4.6	6.1
SSW	.5	1.3	.5									2.2	5.2
SW		.5	.4	1.2	.1							2.5	9.7
WSW	.8	1.7	1.3	1.5	.2							5.2	8.4
W	1.7	2.7	3.3	1.5	.2							9.5	7.3
WNW	.4	2.7	4.4	3.7	.6	.2						11.9	9.8
NW	.8	1.2	4.4	4.5	1.5	.5	.2					13.1	11.5
NNW	.5	2.1	1.9	2.2	.6	.1						7.4	9.4
VARIABLE													
CALM	////////////////////											6.3	////
TOTALS	11.7	24.5	29.4	22.0	4.6	1.3	.2					100.0	8.1

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(1ST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS								TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40		
N	.9	2.0	3.2	1.7	.2	.2			9.2	8.0
NNE	.4	.6	.7	.2					1.9	6.8
NE	.7	.2							.9	2.6
ENE	.5	.5	.4						1.3	4.8
E	.5	1.4	1.8	2.1					5.8	6.8
ESE	.8	.9	2.6	1.6	.1	.1			6.3	9.0
SE	.7	.8	2.2	.6	.5	.6			5.4	10.1
SSE	.7	.9	.6	1.1	.1				3.4	8.0
S	.7	1.4	1.1	.5					3.7	6.5
SSW	.6	.6	.4	.4	.1				2.0	7.2
SW	.4	1.1	1.8	.5	.1	.1			3.9	8.2
WSW	.6	2.5	1.3	.7	.4				5.4	7.4
W	1.3	2.9	2.7	2.8	.6				10.3	8.3
WNW	1.1	2.8	4.4	4.0	1.3	.4			13.9	10.1
NW	.5	3.2	4.1	2.8	1.1	.5	.2		12.5	10.2
NNW	.7	1.3	1.3	2.5	.6				5.9	9.5
VARIABLE										
CALM	////////////////////////////////////								8.0	////
TOTALS	11.1	24.0	28.5	21.2	5.1	1.9	.2		100.0	8.1

TOTAL NUMBER OF OBSERVATIONS: 646

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 79-87  
MONTH: FEB HOURS (LST): 0600-0600

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.8	3.1	3.2	1.8								9.8	7.1
NNE	.2	.8	.7	.2								2.0	6.7
NE	.2	.6	.6	.2								1.7	7.2
ENE	.2	.7	.5	.2								1.7	7.0
E	.5	1.9	2.0	1.3								5.7	7.6
ESE	.6	.9	1.7	2.8	.1	.1						6.3	10.3
SE	.7	1.1	2.0	.9	.2	.4						5.3	9.5
SSE	.9	.7	.1	1.3	.1							3.2	9.1
S	.7	1.1	.2	.4								2.4	5.7
SSW	.7	1.2	.2	.5	.2							2.8	7.3
SW	.7	1.2	1.2	.6	.4							4.0	8.1
WSW	.2	1.8	2.1	1.4	.4							5.9	9.0
W	.9	3.2	3.8	1.2	.6							9.7	8.0
WNW	.9	3.2	4.7	3.1	1.1	.4						13.4	9.7
NW	1.3	3.7	3.1	2.6	1.4	.5	.6	.1				13.2	10.7
NNW	.5	1.5	2.2	1.4	.6	.2						6.5	7.9
VARIABLE													
CALM	////////////////////											6.5	////
TOTALS	11.2	26.6	28.4	20.0	5.1	1.5	.6	.1				100.0	8.2

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AF3 ND

PERIOD OF RECORD: 7A-87  
MONTH: FEB HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS								TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40		
N	.7	2.1	3.4	2.1	.5				9.9	8.8
NNE	.6	.8	.6	.1	.1				2.2	6.6
NE	.4	.8	.5						1.7	5.2
ENE	.2	.5	.9	.5					2.1	8.1
E	.2	1.1	1.9	1.7	.4				5.2	9.5
ESE	.9	1.4	1.5	1.3	.8	.2			6.1	9.7
SE	.5	2.0	2.2	1.3	.4	.4			6.7	9.4
SSE	.6	.7	.5	1.2	.4				3.3	9.3
S	.9	1.9	.8	.1	.4				4.1	6.3
SSW	1.2	1.5	.9	.4	.5				4.5	7.0
SW	.2	.7	.7	.6	.1				2.4	8.4
WSW	.6	1.5	1.8	1.3	.1				5.3	8.3
W	.9	1.7	3.7	3.7	.5	.4			10.7	10.0
WNW	.7	1.9	2.7	4.4	1.5	.5			11.8	11.7
NW	.5	1.7	3.5	4.6	1.3	.5	.6		12.6	12.2
NNW	.4	1.4	2.8	2.1	.8	.1			7.7	10.2
VARIABLE										
CALM	////////////////////////////////////								5.7	////
TOTALS	9.3	21.4	28.6	25.3	7.7	2.1	.6		100.0	9.2

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(151): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.6	1.8	3.8	3.5	.1		.1				9.9	9.3
NNE	.7	1.2	.8	.2		.1					2.1	6.1
NE	.2	1.1	1.1								2.4	5.9
ENE	.7	.7	.6	.5							2.5	6.6
E	.5	1.1	1.8	1.3	.5						5.1	9.2
ESE	.2	.2	2.0	1.4	.4	.7					5.0	12.6
SE	.5	.8	1.1	1.3	.2	.4	.2				4.5	11.7
SSE	.4	.5	1.2	1.9	.6						4.5	10.9
S	.5	1.3	1.8	1.8	.2						5.6	9.1
SSW	.4	.6	1.2	.8							3.0	8.3
SW	.2	1.4	2.1	.5							4.3	7.5
WSW		.7	2.2	1.4	.5						4.8	10.6
W	.7	1.5	2.0	2.3	1.1	.1					9.2	11.0
WNW	.5	1.2	2.2	1.4	1.8	1.4					10.5	13.5
NW	.2	.8	3.0	5.6	2.7	1.1	.2				13.6	14.0
NNW	.2	1.4	3.0	2.5	1.4	.1					8.6	10.8
VARIABLE												
CALM	////////////////////										7.5	////
TOTALS	6.5	16.3	29.8	29.9	9.5	3.9	.6				100.0	10.4

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM POORLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS								TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40		
N	.8	2.1	5.0	3.3	.2	.2	.1		11.8	9.3
NNE	.2	2.1	1.2	.5					4.0	6.7
NE	.1	1.1	.5	.2					1.9	6.4
ENE	.1	.6	.8	.8					2.4	9.5
E	.7	1.2	1.4	.7	.4				4.6	8.8
ESE	.7	.9	2.8	1.9	.7	.5	.1		7.7	11.0
SE	.4	.7	1.2	.9	.2		.2		3.7	10.4
SSE	.2	.6	1.5	1.7	.4				4.4	10.1
S	.1	2.0	2.1	2.2	.2				6.7	9.3
SSW	.2	.7	1.1	.6	.5				3.1	9.3
SW	.2	.6	.8	.5					2.1	7.4
WSW	.6	1.1	1.1	.5	.1				3.3	7.4
W	.6	.8	2.0	2.9	.5	.6			8.4	11.7
WNW	.2	.7	1.7	4.5	2.1	.8	.1		10.2	14.1
NW	.2	.7	3.2	5.3	2.0	1.4	.1		13.0	13.6
NNW	.5	1.1	3.5	3.2	.9				9.2	10.3
VARIABLE										
CALM	////////////////////////////////////								3.5	////
TOTALS	6.0	17.0	29.9	31.0	8.3	3.5	.7		100.0	10.2

TOTAL NUMBER OF OBSERVATIONS: 846



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS (LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.4	3.5	3.9	1.8	.2	.1	.1					11.1	7.9
NNE	.9	1.7	1.7	.5								4.7	6.4
NE	.2	.7	.6									1.5	5.8
ENE		.7	.8	.6								2.1	8.8
E	.5	1.2	1.9	2.2	.1							5.9	9.1
ESE	.8	2.0	2.7	2.1	.6	.2	.2					8.7	10.2
SE	.6	2.2	1.1	.4	.4		.1					4.7	7.8
SSE	.5	1.4	1.8	.7	.2							4.6	7.7
S	.5	2.6	1.9	.9	.1							6.0	7.2
SSW	.5	.5	.6	.5								2.0	7.5
SW	.2	.2	.5	.5								1.4	7.8
WSW	.6	1.2	1.8	.1								3.7	6.4
W	.9	2.7	3.3	2.6	.1	.1						9.3	8.5
WNW	.2	2.5	3.5	3.1	.9	.5	.2					11.0	10.8
NW	.2	2.5	2.4	5.2	1.9	.6	.1					12.9	12.2
NNW	.7	1.8	1.5	1.3	.6							5.9	8.7
VARIABLE													
CALM	////////////////////											4.3	////
TOTALS	8.9	27.0	29.9	22.5	5.2	1.5	.8					100.0	8.6

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(IST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.3	2.4	2.4	2.6	.2						8.9	8.3
NNE	1.1	.9	1.5	.1							3.7	5.9
NE	.4	.8	1.1								2.2	5.9
ENE	.4	.4	.4								1.1	5.4
E	.9	1.1	2.5	1.4							5.9	8.0
ESE	.5	2.0	1.5	1.4	.5	.4					6.3	9.8
SE	1.2	1.8	2.7	.8	.5	.4					7.3	8.5
SSE	1.1	1.7	1.2	1.2							5.1	7.1
S	1.4	1.5	1.1	.9		.1					5.1	6.7
SSW	.9	.5	.4	.5	.2						2.5	7.4
SW	.4	.7	.6	1.1							2.7	8.3
WSW	.6	1.2	.8	.5							3.1	6.3
W	.7	3.4	4.5	1.8	.1						10.5	7.5
WNW	.6	1.9	4.7	4.1	.7	.4	.1				12.5	10.9
NW	.6	1.5	2.7	4.7	1.5	.6					12.1	11.6
NNW	.2	.8	1.8	1.4	.2	.1					4.6	9.7
VARIABLE												
CALM	////////////////////										6.5	////
TOTALS	12.2	22.0	29.6	22.6	4.0	1.9	.1				100.0	8.2

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH      PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC      FROM HOURLY OBSERVATIONS  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 74-67  
 MONTH: FEB HOURS/EST: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.1	2.6	3.4	2.4	.2	.1	.0					9.8	3.4
NNE	.6	1.2	1.6	.7	.0	.0						3.0	1.2
NE	.3	.9	.6	.1								1.7	1.2
NNE	.3	.6	.6	.1								1.6	1.1
E	.5	1.2	2.0	1.5	.2							5.4	1.7
ESE	.7	1.2	2.2	1.9	.5	.7	.0					6.7	1.7
SE	.6	1.7	1.8	.9	.3	.7	.1					5.4	1.6
SSE	.7	1.1	1.0	1.2	.2							4.2	1.4
S	.7	1.7	2.3	.9	.1	.0						4.6	1.4
SSW	.6	.9	.7	.4	.2							2.8	1.4
SW	.3	.6	1.0	.7	.1	.0						2.0	1.1
WSW	.5	1.4	1.6	.7	.2							4.6	1.2
W	1.0	2.3	3.2	2.7	.5	.1						9.6	2.0
WNW	.6	2.1	3.5	3.6	1.3	.6	.1					11.9	1.7
NW	.6	2.0	3.3	4.4	1.7	.7	.3	.0				12.9	2.0
NNW	.5	1.4	2.3	2.0	.7	.1						7.0	1.9
VARIABLE													
CALM	////////////////////											5.5	////
TOTALS	9.6	22.6	29.3	24.7	6.2	2.2	.6	.0				100.0	1.9

TOTAL NUMBER OF OBSERVATIONS: 6768

GLOBAL CLIMATOLOGY BRANCH  
USAFETAL  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINGT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(UTC): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.7	1.8	2.4	2.2	2.3	2.1					7.5	5.1
NNE	2.7	2.8	2.6	2.7	2.1	2.1					22.0	5.1
NE		2.7	12.0	2.7							12.0	8.4
NNE	2.7	2.4	2.6	2.5	2.2						22.8	5.0
E	2.9	2.9	22.8	12.5	2.1						42.1	8.5
ESE	2.5	22.4	42.1	12.2	2.1						42.1	7.9
SE	2.4	22.0	32.1	22.4		2.7					42.2	6.0
ESE	12.4	22.4	12.8	12.7	2.2						42.4	7.1
S	12.2	12.7	12.1	2.8							42.8	6.2
SSW	12.1	2.8	12.0	2.8							22.8	7.8
SW	2.8	2.8	2.4	2.2	2.7						22.8	7.3
WSW	2.4	12.7	22.2	2.7	2.2						42.1	6.0
W	12.2	7.2	42.1	12.7	2.8						102.6	8.1
WNW	12.7	12.0	22.8	12.5	2.5	2.7	2.2	2.1			42.4	11.7
W	2.8	12.8	2.8	22.8	12.1						72.0	10.2
WNW	2.7	12.6	12.2	12.8							42.0	9.0
VARIABLE												
CALM	////////////////////										62.9	////
TOTALS	112.7	222.4	122.7	222.2	42.1	2.8	2.2	2.1			1022.0	7.9

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 79-87  
MONTH: MAR HOURS/EST: 0700-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND KNOTS
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.9	2.6	2.5	2.2	.4	.3					8.8	8.6
NNE	.2	.5	1.0	.4	.2						2.4	4.6
NE	.1	.2	.9	.2							1.3	4.7
ENE	.5	.6	.3	.6	.4	.1					2.7	4.7
E	.9	1.9	3.0	1.6							7.4	7.4
ESE	1.0	1.8	3.7	1.6							8.1	7.7
SE	1.2	2.3	3.3	2.0	.1						8.9	7.7
SSE	.9	1.4	1.0	1.4							4.6	7.8
S	.8	1.4	1.1	.6							3.9	6.9
SSW	.6	1.4	.3	.5							3.0	6.7
SW	.6	1.0	.8	.2	.1						2.7	6.2
WSW	.4	1.2	2.7	.2							4.5	7.3
W	1.7	2.8	3.0	.9	.4	.1					8.9	7.5
WNW	.4	1.6	2.2	3.3	.8	.2					9.1	11.6
NW	.6	1.3	3.3	2.5	1.0	.7					9.7	10.7
NNW	.8	1.3	1.8	2.4	.2		.3				6.9	10.1
VARIABLE												
CALM	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	7.7	////
TOTALS	11.6	23.3	30.6	21.0	3.7	1.7	.3				100.0	8.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS (LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.5	1.9	3.2	2.2	.6						8.4	6.0
NNE	.4	.9	1.2	.6	.2						2.3	4.1
NE	.5	.4	.6	.1		.1	.1				1.2	4.4
NNE	.4	1.0	.6	.2		.1					2.4	3.2
E	1.0	2.3	2.7	1.6	.3						7.9	5.2
ESE	.9	3.1	2.8	1.5	.1						8.4	7.4
SE	1.4	2.4	2.6	1.6	.2						8.8	7.6
SSE	.2	1.1	.9	1.5	.1						3.8	5.7
S	.8	2.2	1.3	.6	.1						4.7	6.5
SSW	.6	.4	.3	.2		.2					1.7	6.7
SW	.3	.6	.5			.1					1.5	6.2
WSW	.4	1.1	1.5	.6							3.7	7.5
W	.5	2.5	2.9	2.6	.1						8.6	6.7
WNW	.8	1.2	4.0	3.0	1.4	.4					10.8	10.5
NW	.6	1.1	1.9	2.2	1.0	.7	.1				8.3	11.4
NNW	.4	1.0	1.9	2.2	.3	.5	.1				7.0	11.1
VARIABLE												
CALM	////////////////////////////////////										8.5	////
TOTALS	9.9	24.0	29.0	21.9	4.5	1.8	.3				100.0	8.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 7P-87  
MONTH: MAR HOURS(LEST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	PLAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.6	2.3	3.0	2.8	1.0	.2					9.9	10.0
NNE	.2	1.2	.9	.8	.3	.2					3.5	9.8
NE	.4	.8	.9	.3		.1					2.5	7.5
ENE	.9	1.0	1.5	.3	.1						3.8	6.6
E	.2	1.7	2.8	2.4							7.1	8.7
ESE	.9	1.8	2.5	2.0	.5						7.7	8.8
SE	.6	2.4	1.6	2.5							7.1	8.3
SSE	.8	2.2	2.2	2.0	.6	.1					7.8	9.1
S	.3	1.3	2.4	1.9	.4	.1					6.5	10.0
SSW	.3	.5	.3	.5	.1	.1					1.9	6.9
SW	.1	.4	.5	.2	.2	.2					1.7	10.6
WSW	.3	1.0	1.4	.9	.1						3.7	8.2
W	.6	1.7	2.5	2.6	.5	.3	.1				8.4	10.2
WNW	.2	.5	1.4	3.8	.9	.5	.2				7.5	13.2
NW		1.1	1.6	4.2	1.8	.8	.1				9.6	13.7
NNW	.4	1.1	1.5	2.4	.9	.5					6.8	11.8
VARIABLE												
CALM	////////////////////////////////////										4.5	////
TOTALS	7.7	20.9	26.9	24.5	7.5	3.2	.4				103.7	9.6

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS (LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS								TOTAL	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40		
N	.6	2.4	2.9	3.3	1.1	.3			11.1	10.7
NNE	.2	1.4	1.3	.6		.3			3.9	8.7
NE	.4	.8	.5	.4					2.2	7.2
ENE	.3	.8	1.2	.8					3.0	8.1
E	.8	1.6	2.6	2.8					7.7	8.5
ESE	.5	1.5	3.0	2.5	.4	.2			8.2	9.7
SE	.5	1.1	2.8	1.9	.3	.1			6.8	9.5
SSE	.6	.8	2.4	1.7	.6	.2			6.3	10.7
S	.8	.9	2.8	2.5	1.1	.3			8.3	10.9
SSW	.2	.3	.6	.8		.1			2.0	9.8
SW	.4	.6	.6	.4	.1				2.3	4.0
WSW	.4	1.1	1.5	1.1	.2				4.3	8.8
W	.4	.9	2.0	1.9	.5	.3	.6	.2	6.6	13.6
WNW	.3	.5	.6	2.6	1.2	1.0	.1		6.3	14.4
NW	.2	.6	1.7	4.7	1.4	1.3		.1	10.1	14.3
NNW	.2	1.3	1.1	3.2	1.1	.8			7.6	12.7
VARIABLE										
CALM	////////////////////////////////////								7.3	////
TOTALS	7.1	16.1	27.7	31.6	8.1	4.9	.8	.3	100.0	10.6

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(EST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.4	1.5	2.0	5.1	.6	.3					11.2	10.3
NNE	.3	.8	.9	1.1							3.0	9.6
NE	.3	1.0	1.4	.2							3.0	7.7
NNE	.5	1.3	1.4	1.5	.2						4.9	8.5
E	.4	1.0	3.1	2.0	.2						6.7	7.2
ESE	.2	2.3	2.7	2.6	.8	.3	.1				8.9	10.6
SE	.2	1.8	1.7	1.7	.3						5.8	9.1
SSE	.4	.9	1.9	1.4	.5	.2					5.9	10.5
S	.2	1.1	2.8	2.3	.4	.2					7.2	10.5
SSW	.2	.6	.3	.1	.2						1.6	7.6
SW	.1	.8	.6	.3	.2						2.0	8.3
WSW	.3	1.3	1.2	1.0	.3	.2					4.3	9.8
W	.5	.8	1.2	1.4	.2	.1		.3			4.5	11.7
WNW	.1	.6	1.4	3.3	.5	1.2	.3	.2			7.7	15.1
NW	.2	.5	1.4	3.7	1.5	1.3	.6	.1			9.4	15.9
NNW	.3	1.0	2.5	3.5	2.5	.8					17.5	13.1
VARIABLE												
CALM	////////////////////										3.7	////
TOTALS	5.9	17.1	20.6	31.8	8.6	4.6	1.1	.6			100.0	10.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINDT AFB ND

PERIOD OF RECORD: 79-87  
MONTH: MAR HOURS/ST: 1900-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.0	1.4	3.8	2.0	.4	.2					8.8	9.2
NNE	.6	2.0	1.6	1.9							6.2	7.8
NF	.5	1.3	.5	.3							2.7	5.9
FNE	.3	1.4	1.0	.6	.1						3.4	8.1
E	.5	1.9	4.2	2.0	.3						9.0	6.7
ESE	.5	2.9	3.3	2.2	.5	.2					9.7	9.0
SE	.6	2.4	3.1	1.6	.3	.1					8.2	8.4
SSE	1.0	2.4	1.6	1.6							6.6	7.4
S	.3	1.6	1.4	.9	.2						4.4	8.1
SSW	.5	.6	.2			.2					1.6	7.1
SW	.6	1.4	.3	.3							2.7	5.6
WSW	.2	1.7	.6	.5	.5	.1					3.8	8.7
W	.4	1.8	1.1	1.1	.2	.1					4.7	8.5
WNW	.3	.9	1.3	1.9	.6	.5		.3			5.5	13.5
NW	.6	2.0	2.3	3.7	1.5	1.1	.1				11.3	12.7
NNW	.2	2.4	1.8	2.3	.8	.1					7.5	10.0
VARIABLE												
CALM	////////////////////										3.9	////
TOTALS	8.5	28.2	28.2	22.6	5.6	2.7	.1	.3			100.0	8.8

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS (LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.9	1.6	2.8	2.3	.8						8.2	9.4
NNE	.5	1.0	1.0	1.0							3.4	7.7
NE	.2	1.7	1.0	.5	.1						3.1	7.7
ENE	.1	1.0	1.2	.8							3.0	8.1
E	.7	1.5	2.6	1.3	.3						6.0	9.0
ESE	1.0	2.6	3.8	2.3		.1					9.7	8.2
SE	.9	4.1	3.2	1.9	.5	.1	.1				10.9	8.3
SSE	1.0	3.2	1.5	.8							6.5	6.1
S	.5	1.3	1.1	.5							3.4	6.7
SSW	.3	1.2	.8	.3	.3						2.9	7.8
SW	.5	2.3	.9	.5	.1						4.3	6.6
WSW	.6	1.9	1.3	.3							4.2	6.7
W	1.1	3.0	1.6	1.7	.4	.3					8.2	8.4
WNW		1.4	2.0	1.2	.4	.2		.2			5.5	11.2
NW	1.0	2.0	2.5	2.9	.6	.8	.1				9.9	10.9
NNW	.6	.8	2.2	1.2	.4	.1					5.3	9.6
VARIABLE												
CALM	////////////////////										5.6	////
TOTALS	9.6	30.0	29.2	19.5	4.1	1.6	.2	.2			100.0	8.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.8	1.9	2.8	2.8	.7	.2					9.2	9.7
NNE	.4	1.1	1.0	.9	.1	.1					3.5	8.5
NE	.3	.8	.8	.3	.0	.0	.0				2.3	7.4
ENE	.4	1.0	1.0	.7	.1	.0					3.3	8.1
E	.6	1.6	3.0	1.9	.2						7.3	8.6
ESE	.7	2.3	3.2	2.0	.3	.1	.0				8.6	8.6
SE	.7	2.4	2.7	2.0	.2	.1	.0				8.1	8.4
SSE	.8	1.9	1.6	1.6	.3	.1					6.2	8.4
S	.6	1.4	1.7	1.3	.3	.1					5.4	8.7
SSW	.5	.8	.5	.4	.1	.1					2.3	7.8
SW	.4	1.0	.6	.3	.1	.0					2.5	7.1
WSW	.4	1.4	1.5	.6	.2	.0					4.2	8.1
W	.8	2.0	2.3	1.7	.4	.2	.1	.1			7.6	9.3
WNW	.4	1.0	2.0	2.6	.8	.6	.1	.1			7.6	12.5
NW	.5	1.3	1.9	3.4	1.2	.7	.1	.0			9.3	12.6
NNW	.4	1.4	1.7	2.5	.8	.3	.1				7.2	11.1
VARIABLE												
CALM	////////////////////										5.5	////
TOTALS	8.9	23.1	28.5	25.7	5.8	2.7	.4	.2			100.0	9.0

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS								TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40		
N	1.6	3.0	1.7	1.9	.3	.3	.1		8.9	8.6
NNE	.7	.8	.9	.6	.2	.2			3.3	8.8
NE	.4	1.9	.4	.2	.1				3.1	6.0
ENE	.4	.6	.8	.2	.1				2.1	7.5
E	.4	1.6	1.1	.8	.1				4.0	7.6
ESE	.3	1.8	1.6	1.6	.8				6.0	9.6
SE	2.0	2.9	2.2	1.6	.2				8.9	7.0
SSE	1.9	4.4	1.6	.6					8.4	5.5
S	1.7	2.6	1.3	1.2	.4	.3			7.5	6.1
SSW	.4	1.0	.9	1.3	.3	.1			4.1	9.5
SW	.7	1.3	.6	.6					3.1	6.3
WSW	.4	2.1	1.6	.1					4.2	6.2
W	1.6	3.8	2.3	.9	.2	.1			8.9	6.9
WNW	.7	3.1	2.1	1.1	.9				7.9	6.5
NW	.3	2.2	1.9	1.3	.7	.1			6.6	9.3
NNW	.4	.9	1.4	1.7	.3	.2	.1		5.1	10.8
VARIABLE										
CALM	////////////////////////////////////								7.8	////
TOTALS	14.0	33.9	22.3	16.6	4.8	1.4	.2		100.0	7.7

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-P7  
MONTH: APR HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.4	2.7	2.0	2.1	.3	.1	.1				8.8	8.2
NNE	.6	1.7	.8	.9	.3	.3					3.9	10.0
NE	.6	.4	.4								1.4	5.1
ENE	.4	1.3	.6	.2							2.8	5.9
E	.8	1.7	1.2	.1							3.8	6.0
ESE	.6	2.0	1.8	1.9	.4						6.7	8.8
SE	1.4	1.7	1.6	1.2	.4						6.3	7.9
SSE	1.2	2.9	.7	.3	.1						5.1	5.4
S	.7	2.7	.7	1.1	.1	.1					4.7	7.9
SSW	.8	1.2	1.8	1.7	.1						5.6	8.5
SW	.2	1.1	.9	1.3							3.6	9.9
WSW	.8	3.1	1.9	.6	.1						6.4	6.7
W	1.4	4.6	2.9	1.2	.3	.1					17.6	7.1
WNW	1.0	2.2	2.1	1.7	.6						7.6	8.5
NW	.6	2.6	2.0	1.8	.6	.2					7.7	9.2
NNW	.6	1.1	1.1	1.3	.9	.3					5.3	11.2
VARIABLE												
CALM	////////////////////										9.9	////
TOTALS	13.0	31.4	22.6	17.4	4.3	1.2	.1				100.0	7.2

TOTAL NUMBER OF OBSERVATIONS: 950

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS/LSST: 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	1.6	2.7	2.8	2.9	.2	.4						10.6	9.0
NNE	1.6	.9	.4	.4	.2	.2	.1					3.9	7.3
NE	.3	.9	.7	.2								2.1	6.6
ENE	.7	.3	1.0	.2								2.2	6.3
E	1.1	1.0	1.4	.4	.2							4.2	6.7
ESE	.4	1.8	2.1	1.3	.7	.1						6.4	9.2
SE	.7	2.1	2.0	2.2	.4	.1						7.6	9.2
SSE	1.3	1.2	1.0	.4								4.0	5.8
S	1.4	1.6	2.0	.7	.2	.1						6.0	7.3
SSW	.1	.9	1.4	.7								3.0	6.3
SW	.4	1.8	1.3	1.1								4.7	7.4
WSW	1.0	1.7	1.1	.6	.2							4.9	7.2
W	1.7	2.1	3.4	1.9	.4	.2						9.8	8.7
WNW	.8	2.0	2.6	1.9	.1							7.3	8.5
NW	.6	2.1	2.2	2.4	.6	.4						8.3	10.1
NNW	.7	1.0	1.8	1.4	.7	.7						6.2	11.0
VARIABLE													
CALM	////////////////////////////////////											8.9	////
TOTALS	14.3	23.9	27.3	19.1	4.0	2.3	.1					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(IST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.9	1.6	3.8	5.1	1.3	.7						13.3	11.4
NNE	.9	.9	1.6	.9	.1							4.2	7.8
NE	.6	.9	.3									1.8	4.8
ENE	.7	.7	1.0	1.1								3.4	7.7
E	.4	1.7	1.7	1.6								5.3	8.2
ESE	.7	1.6	1.4	3.2	.7	.3						7.9	10.9
SE	.8	1.4	1.9	2.0	1.0	.1						7.2	10.2
SSE	.3	1.1	1.7	1.7	.3	.1						5.2	10.0
S	.3	.7	2.4	2.3	.7	.1						6.6	10.8
SSW	.4	1.0	.8	2.8	.7	.1						5.8	11.1
SW	.4	.9	.6	.9								2.8	8.1
WSW	.4	1.1	.9	1.1		.1						3.7	8.6
W	1.3	1.1	1.9	2.1	.6	.7	.2					7.9	11.0
WNW	.4	.6	.4	2.1	.9	.6						5.0	13.0
NW	.6	.9	2.1	3.7	1.2	.7						9.1	12.8
NNW	.6	1.9	1.2	2.2	1.3	.4						7.7	11.2
VARIABLE													
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	3.1	//////
TOTALS	9.7	17.9	23.7	32.8	8.8	3.9	.2					100.0	10.2

TOTAL NUMBER OF OBSERVATIONS: 986



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(EST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	.4	1.7	3.6	5.0	1.1	.6	.2	.1			12.7	11.9
NNE	.6	.9	.7	1.2	.2	.2					3.9	9.9
NF	.3	1.4	1.0	.7							3.4	7.1
ENE	.2	.1	1.1	.6	.1						2.1	9.6
E	.8	1.9	2.3	2.3	.6						7.9	9.2
ESE	.3	.7	1.4	2.1	1.9	.1					6.4	12.5
SE	.6	1.7	2.2	2.7	.6	.7					6.3	10.8
SSE	.2	1.4	1.9	2.2	1.0	.1					6.9	10.5
S	.4	1.0	1.7	2.7	.6	.1					6.4	10.9
SSW	.2	.4	.8	2.2	.4						4.1	11.6
SW	.4	.3	.9	1.0		.1					2.9	9.2
WSW	.3	.2	1.0	1.1	.2	.1					3.0	10.4
W	.9	1.4	2.1	2.8	.7	.4	.1				8.4	10.7
WNW	.2	.4	.6	1.2	2.0	.9	.2				5.4	16.1
NW	.1	.6	1.0	1.4	2.3	1.0	.1				6.6	15.6
NNW	.3	1.1	2.3	2.4	1.8	.8					9.1	17.9
VARIABLE												
CALM	////////////////////////////////////										2.4	////
TOTALS	6.4	15.3	24.6	32.0	13.4	5.0	.7	.1			100.0	11.2

TOTAL NUMBER OF OBSERVATIONS: 700

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 7A-87  
 MONTH: APR HOURS(EST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.0	1.3	3.6	4.7	1.3	.2	.2	.1			12.2	11.6
NNE	1.0	.9	1.2	1.8	.2	.2					5.3	9.6
NE	.6	.6	.6	.2							1.9	5.0
NNE	.3	1.0	.6	.9	.1						2.9	4.5
E	.6	1.1	1.8	2.3	.2						6.0	9.6
ESE	.6	1.2	2.3	3.6	1.4	.2					9.7	11.6
SE	.9	1.4	1.8	2.1	1.7						7.9	10.6
SSE	.7	1.1	2.0	2.1	.7	.1					6.9	10.3
S	.4	.6	2.1	3.1	.8						7.0	11.4
SSW	.2	.4	.9	1.3	.2						3.1	10.0
SW	.3	.3	.6	.4	.1	.1					1.9	9.2
WSW	.6	1.6	.9	1.7	.2						4.6	9.1
W	.1	.6	1.7	3.1	.8	.2					6.4	10.7
WNW	.1	.7	.8	1.5	1.7	1.3					6.3	15.5
NW	.3	.6	1.6	3.0	2.3	.2					4.7	14.4
NNW	.4	.6	1.4	2.7	1.3	1.2					7.7	14.1
VARIABLE												
CALM	////////////////////////////////////										1.9	////
TOTALS	7.9	13.9	23.7	34.4	13.1	4.8	.2	.1			100.0	11.2

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 79-P7  
MONTH: APR HOURS(EST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.0	1.6	2.7	4.7	.4		.2	.2			10.1	10.8
NNE	1.3	1.4	2.0	.8		.4	.1				6.1	8.6
NE	.9	1.2	.8	.3							3.2	5.8
NNE	.4	1.0	.8	.6							2.8	7.1
E	.7	2.0	2.7	2.7	.3						8.3	9.2
ESE	.7	2.4	2.7	2.9	.7						9.3	9.3
SE	1.0	2.8	2.4	2.4	.6						9.2	8.7
SSE	.9	2.4	3.1	1.1	.2	.1					7.9	7.6
S	.7	1.9	1.0	1.1	.3						5.0	8.2
SSW		.4	.4	.2	.1						1.2	5.3
SW	1.1	.7	.3	.1							2.2	4.6
WSW	.4	.4	.4	.2							2.0	6.6
W	.8	.8	1.2	1.0		.1					3.9	8.4
WNW	.7	1.2	1.6	1.8	1.2	.7					6.9	11.2
NW	.7	1.7	2.7	2.8	1.2	.7					9.7	11.2
NNW	.7	1.2	2.2	2.7	1.4	.7					8.1	11.2
VARIABLE												
CALM	////////////////////////////////////										4.1	////
TOTALS	11.9	23.2	27.4	24.3	6.6	1.9	.3	.2			100.0	8.9

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC FROM HOURLY OBSERVATIONS  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
 MONTH: APR HOURS(EST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.9	2.6	2.8	.9	.1		.2	.1			7.6	8.4
NNE	1.0	.9	1.4	.7		.7	.1				4.1	8.1
NL	.8	1.4	.4	.2							2.9	5.7
ENE	.6	1.1	1.4	.9							4.0	7.7
E	.2	1.9	3.1	1.0	.1						6.3	8.2
ESE	.4	2.1	2.4	2.6	.7						8.2	9.7
SE	2.4	3.8	2.9	.9	.1						10.1	8.3
SSE	2.6	5.2	1.3	.9	.1						10.1	5.5
S	1.4	3.7	.9	.9	.3						6.8	6.6
SSW	.9	.4	.3	.4							2.0	5.9
SW	.7	1.3	.1	.1							2.2	4.7
WSW	.8	1.0	.7		.1	.1					2.3	6.2
W	1.4	3.0	2.1	.1	.2	.1					7.3	6.3
WNW	.7	1.3	2.0	.9	.6						5.1	8.8
NW	.6	1.1	2.7	1.7	.8	.7					7.7	10.4
NNW	.2	1.4	1.9	1.1	.2	.2					5.1	9.6
VARIABLE												
CALM	////////////////////										8.9	////
TOTALS	15.1	31.9	26.2	13.7	3.3	.9	.3	.1			100.0	6.9

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 79-87  
MONTH: APR HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.1	2.1	2.8	3.3	.7	.3	.1	.1			10.5	10.2
NNE	.9	1.0	1.1	.9	.2	.2	.0				4.4	8.8
NE	.6	1.1	.6	.2	.0						2.5	5.9
ENE	.5	.8	.9	.6	.0						2.8	7.5
E	.6	1.6	1.9	1.4	.2						5.7	8.4
ESE	.5	1.7	2.0	2.4	.9	.1					7.6	10.2
SE	1.2	2.2	2.1	1.9	.6	.1					4.7	8.7
SSE	1.1	2.5	1.7	1.2	.3	.1					6.9	7.5
S	.9	1.7	1.5	1.6	.4	.1					6.2	9.0
SSW	.4	.7	.9	1.3	.2	.2					3.6	9.6
SW	.5	1.0	.7	.7	.0	.2					2.9	7.4
WSW	.6	1.4	1.1	.7	.1	.2					3.9	7.5
W	1.2	2.2	2.2	1.6	.4	.2	.0				7.9	8.7
WNW	.5	1.4	1.5	1.6	1.0	.4	.2				6.4	11.0
NW	.5	1.5	2.0	2.3	1.2	.5	.2				7.9	11.5
NNW	.5	1.2	1.7	1.9	1.0	.5	.0				6.8	11.7
VARIABLE												
CALM	////////////////////										5.9	////
TOTALS	11.5	23.9	24.7	23.6	7.3	2.7	.3	.1			100.0	8.8

TOTAL NUMBER OF OBSERVATIONS: 7700

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: MAY HOURS/EST: 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.3	2.2	3.3	1.2	.2						8.2	7.4
NNE	.4	1.2	.9	1.7	.5						4.3	5.6
NE	.9	.2	.6	.4	.1						2.5	7.2
ENE	.3	.1	1.8	.6							3.3	6.7
E	.9	1.7	2.3	.6							5.6	6.8
ESE	.9	2.7	2.7	1.1							6.9	7.3
SE	1.8	3.1	2.9	.9	.1						8.8	6.5
SSE	1.0	2.9	1.1	.6	.1						5.7	6.1
S	2.3	3.3	1.2	1.5	.9	.1					9.2	7.6
SSW	1.1	1.0	1.5	.4	.3	.1					5.3	7.2
SW	1.3	1.3	.8	.5		.1					4.0	6.1
WSW	.8	2.6	1.3	.5							5.2	6.1
W	2.4	2.4	1.2	.5	.3						7.2	6.7
WNW	.9	1.9	2.0	.4	.2	.1					5.5	7.1
NW	.5	1.0	1.2	.5	.3	.1					4.8	6.6
NNW	.4	.8	2.7	1.0							4.9	8.1
VARIABLE												
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	8.7	//////
TOTALS	16.9	30.4	27.6	13.7	3.1	.5					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 79-87  
MONTH: MAY HOURS/EST: 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.2	2.0	2.8	1.8	.1	.1					4.1	5.0
NNE	.4	.5	.9	1.2	.5	.1					3.7	10.9
NE	.2	.6	.3	.3	.1						1.6	5.0
ENE	.1	1.1	1.2	.2	.1						2.7	7.7
E	.8	1.7	1.7	1.2							5.4	7.7
ESE	1.5	2.0	2.7	1.0							8.0	6.4
SE	1.8	2.6	1.7	.1	.1						6.2	5.3
SSE	2.0	2.3	1.1	.8	.2						6.3	5.9
S	2.0	1.7	1.0	1.1	.4						6.2	5.9
SSW	1.1	1.6	1.3	1.0	.2	.1					5.3	7.7
SW	1.1	1.4	1.6	.5							4.6	6.7
WSW	1.4	1.9	1.4	.5	.2						5.5	5.6
W	1.9	4.1	1.8	1.3	.2						9.4	5.3
WNW	2.2	1.6	.5	.4	.1						5.3	5.0
W	.2	2.5	1.9	.8	.2	.9					6.3	9.6
WNW	.9	1.6	2.4	1.1							5.8	7.4
VARIABLE												
CALM	////////////////////										9.7	////
TOTALS	18.8	29.9	24.3	17.7	2.6	1.1					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS: 430

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 76-87  
MONTH: MAY HOURS (LST): 0600-0600

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.6	1.1	4.7	1.5	.2						8.2	8.7
NNE		.5	1.5	.5	.8	.1					3.4	11.6
NE	.3	.9	.6	.5	.2						2.6	8.7
ENE	.4	.5	1.4	.6							3.0	7.8
E	1.4	1.4	2.4	1.7							6.9	7.5
ESE	1.0	1.7	2.9	1.0	.3						6.9	8.2
SE	1.5	1.6	2.9	1.8	.1						8.0	7.8
SSE	1.1	1.9	1.9	1.3	.2						6.5	8.0
S	1.2	1.4	1.3	1.3	.1						5.3	7.8
SSW	.5	1.3	1.2	1.0	.5						5.4	6.8
SW	.6	1.5	1.4	.6							4.5	7.1
WSW	.6	1.3	1.2	1.7	.2	.1					5.3	9.1
W	1.6	1.7	1.2	1.4	.4	.2					6.6	8.0
WNW	.5	1.4	1.9	1.3	.4	.3					5.9	9.7
NW	.5	1.2	1.9	1.9	.4	.2					6.2	9.9
NNW	.8	1.9	1.9	1.5	.1						6.2	7.9
VARIABLE												
CALM	////////////////////										9.2	////
TOTALS	12.8	21.7	30.5	20.6	4.1	1.0					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 7P-F7  
MONTH: MAY HOURS (EST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS								TOTAL	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40		
N	.6	1.5	4.8	3.9	.3	.2			11.4	10.1
NNE	.9	.9	1.3	1.3	.4				4.6	10.3
NE	.1	.8	.8	1.2	.2				3.0	10.4
ENE	.6	.6	.9	1.2					3.3	10.9
E	.6	1.2	2.7	3.2	.1				7.8	10.3
ESE	.2	1.6	2.2	1.5	.9	.2	.1		6.6	11.4
SE	.6	.9	2.7	2.5	.1	.5	.2		7.5	11.1
SSE	1.1	1.3	1.5	2.8	1.2	.3	.1		8.2	11.4
S	.5	1.4	2.2	4.0	.8	.2			9.7	10.4
SSW	.1	.6	1.7	.6	.5	.1			3.6	10.7
SW	.2	.3	.9	1.3	.3				3.0	11.2
WSW	.1	.5	1.4	2.0	.8	.1			4.9	10.1
W	.2	.6	1.4	1.7	.4	.5	.2		5.2	10.9
WNW	.7	.8	1.2	1.2	1.5	.9	.2		6.7	10.3
NW	.4	.6	.8	1.5	.6	.2			4.2	11.9
NNW	.9	1.4	2.0	2.8	.8				7.8	10.1
VARIABLE										
CALM	////////////////////								3.4	////
TOTALS	7.5	15.1	28.3	30.7	8.8	3.3	.9		100.0	10.5

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: HINGT AFB MD

PERIOD OF RECORD: 74-87  
MONTH: MAY HOURS(EST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.5	1.0	4.2	4.4	1.1	.3					11.5	11.2
NNE	.7	1.7	1.2	1.5	.3						4.6	5.6
NE	.5	.6	1.2	1.2							3.5	8.8
ENE	.1	.9	1.5	.8	.2						3.4	9.1
E	.9	1.7	2.4	3.2	.2						8.4	9.4
ESE	.4	1.1	1.7	2.1	.4	.9	.1				7.0	11.9
SE	.9	1.3	2.7	1.9	.9	.4	.1				8.1	11.1
SSE	.5	.6	1.4	2.8	1.6	.5	.5				8.1	14.8
S	.4	.5	2.2	3.4	1.0	.3					7.8	12.5
SSW	.1	.6	.4	1.4	.4						3.0	11.5
SW	.2	.3	.5	2.2	.2	.1					3.5	11.9
WSW	.3	.4	.4	1.7	.5	.2	.1				3.3	12.4
W	.3	.5	1.2	1.3	1.2	.6	.1				5.5	13.3
WNW	.5	.5	.6	1.9	1.1	1.2					6.2	13.7
NW	.1	1.1	1.3	2.5	1.2	.1					6.2	12.2
NNW	.3	1.0	1.8	2.8	1.0	.1	.1				7.1	12.0
VARIABLE												
CALM	////////////////////										2.6	////
TOTALS	6.5	14.1	24.7	35.1	11.3	4.7	1.1				100.0	11.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 79-87  
MONTH: MAY HOURS(EST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.9	1.2	2.8	3.2	1.6	.3					10.0	11.6
NNE	.1	1.3	2.0	1.5	.3	.1					5.4	9.9
NE	.7	1.2	1.8	1.4	.4						5.2	9.2
ENE	.2	.9	1.0	1.0	.2						3.2	5.2
E	.5	2.6	2.3	1.4	.6						7.8	8.8
ESE	.5	1.3	1.8	2.2	.3	.3	.1				6.6	10.5
SE	.2	1.1	2.4	2.3	.4	.5	.2				7.1	12.1
SSE	.4	.6	1.8	2.5	1.6	.2	.3				7.5	13.4
S	.5	.9	2.5	3.0	1.8	.4	.1				9.2	12.5
SSW	.1	.3	1.4	.9	.4						3.1	10.7
SW	.3	.9	.6	.2	.4						2.3	8.2
WSW	.2	.2	1.3	1.4	.6	.5	.1				4.3	13.0
W	.1	.6	.6	1.1	1.0	.4	.6				4.4	15.2
WNW		.4	1.0	1.6	1.3	1.2	.1				5.9	15.2
NW	.1	1.3	1.0	2.0	1.6	.9					6.8	13.6
NNW	.1	1.3	1.4	3.1	.6	.9	.1				7.3	12.5
VARIABLE												
CALM	////////////////////////////////////										3.9	////
TOTALS	4.7	16.2	25.6	29.2	13.1	5.6	1.6				100.0	11.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 U.S. AIR FORCE  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
 MONTH: MAY HOURS(UTC): 1800-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.6	2.5	3.8	3.8	1.1	.2					11.9	10.2
NNE	.9	1.0	1.1	1.6	.6	.1					5.2	10.0
NE	1.0	2.0	1.6	1.1	.1	.2					6.0	7.9
NNE	.2	.6	1.7	1.5		.2					4.3	5.8
E	.8	2.3	2.5	1.2							7.4	8.3
ESE	1.1	1.9	1.8	1.5	.4						7.1	8.2
SE	.9	1.8	2.4	1.7	.2	.5					7.6	9.4
SSE	.6	1.1	2.6	1.9	.5	.3					7.1	10.3
S	.9	1.7	2.2	3.2	.6	.2	.1				8.9	10.7
SSW	.2	1.0	.6	.1	.2						3.1	4.9
SW	.2	.5	.1	.2	.1						1.7	7.7
WSW		.5	.9	1.1	.3	.1					2.8	11.5
W	.4	.4	1.1	.5	.8	.5					4.0	12.3
WNW	.6	1.2	.1	1.7	1.0	.2	.1				5.1	11.1
NW	.5	1.1	2.5	2.3	.9	.2					8.0	10.3
NNW	.4	1.4	2.4	1.7	.6	.1					6.6	5.9
VARIABLE												
CALM	////////////////////										3.3	////
TOTALS	9.1	21.5	28.3	20.4	7.1	3.1	.1				100.0	9.5

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
 MONTH: MAY HOURS (EST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.5	3.3	2.3	2.3	.9						10.2	8.2
NNE	.9	1.5	1.7	1.7	.3						5.4	8.2
NE	1.1	2.2	1.3	1.2	.1						5.8	7.7
ENE	.8	1.2	.9	.5							3.3	6.6
E	.5	1.9	2.4	1.7	.1						6.7	8.1
ESE	.8	2.2	2.9	1.5	.1						7.5	7.7
SE	1.4	2.6	2.5	1.6	.1						8.2	7.2
SSE	1.1	3.7	1.6	1.2	.1	.2					7.5	7.2
S	.6	2.2	1.2	1.2	.8						5.9	6.6
SSW	.6	2.0	.9	.1	.1						3.8	6.9
SW	.5	1.6	.5	.4							3.1	6.0
WSW	.7	1.9	.8	.6	.1			.1			3.9	7.9
W	1.3	3.3	1.1	.6	.1						6.5	6.8
WNW	.5	2.0	.8	1.0	.2	.2					5.1	7.8
NW	.9	2.7	1.4	.9	.5						5.9	7.7
NNW	.2	1.0	2.2	.6	.1			.1			4.2	8.0
VARIABLE												
CALM	////////////////////										7.3	////
TOTALS	13.7	34.6	24.2	16.2	3.7	.4		.2			100.0	7.0

TOTAL NUMBER OF OBSERVATIONS: 330

GLOBAL CLIMATOLOGY BRANCH      PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC      FROM FOURLY OBSERVATIONS  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 727675    STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 79-87  
 MONTH: MAY    HOURS(EST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.9	1.8	3.6	2.8	.7	.1					9.9	5.6
NNE	.5	1.0	1.7	1.7	.5	.1					4.6	5.8
NE	.6	1.1	1.1	.9	.2	.0					3.8	6.7
ENE	.3	.6	1.3	.5	.1	.0					2.1	6.7
E	.8	1.8	2.3	2.0	.1						7.0	6.4
ESE	.8	1.9	2.3	1.5	.3	.2	.0				7.0	6.8
SE	1.1	1.9	2.5	2.6	.3	.3	.1				7.7	6.8
SSE	1.0	1.8	1.6	1.7	.7	.2	.1				7.1	6.9
S	1.0	1.6	1.7	1.3	.8	.2	.0				7.7	6.9
SSW	.5	1.2	1.1	.9	.3	.0					4.1	6.9
SW	.6	1.0	.9	.8	.1	.7					3.7	6.0
WSW	.5	1.2	1.1	1.1	.3	.1	.0	.0			4.4	6.6
W	1.0	1.8	1.2	1.1	.6	.3	.1				6.1	6.2
WNW	.7	1.3	1.1	1.2	.7	.5	.1				5.6	10.8
NW	.4	1.5	1.5	1.6	.7	.3					6.1	10.5
NNW	.5	1.3	2.1	1.8	.4	.1	.0	.0			6.3	6.8
VARIABLE												
CALM	////////////////////										6.0	////
TOTALS	11.7	23.0	26.7	21.4	6.0	2.5	.5	.0			100.0	6.8

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 75-87  
MONTH: JUN HOURS(EST): 0000-0000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.7	1.6	1.1	.4	.1						4.2	6.4
NNE	.3	.9	1.1	.5							2.7	7.0
NE	.7	1.0	.3	.7							2.3	6.9
ENE	.6	1.2	.7	.2							2.7	6.8
E	.8	1.4	.9	.7							3.8	6.4
ESE	.9	1.4	1.2	.1	.1						3.8	6.0
SE	1.6	4.0	1.0	.8							7.3	6.7
SSE	1.7	2.9	1.1	1.0							6.7	6.1
S	.9	3.0	1.4	.8	.2						6.3	6.8
SSW	.3	1.8	.9	.3	.3	.1					3.8	7.8
SW	1.2	2.4	1.7	.3							6.7	6.7
WSW	1.2	3.2	1.6	.3							6.3	6.5
W	2.4	7.1	2.8	1.3	.2						13.5	6.2
WNW	1.7	2.9	2.0	1.2	.2	.9					8.4	7.8
NW	1.2	1.9	1.2	1.3	.4	.2					6.6	6.7
NNW	.6	1.7	1.1	1.1	.1						4.2	6.0
VARIABLE												
CALM	////////////////////										11.5	////
TOTALS	16.8	38.4	20.2	10.7	1.8	.8					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 75-87  
MONTH: JUN HOURS: 0100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.7	2.0	.8	.4							3.9	1.4
NNE	.9	.5	.8	.1							2.3	1.4
NE	1.0	.9	.7	.5							3.1	1.2
ENE	.6	.9	.4								1.9	1.1
E	1.0	.9	1.7	.8							4.4	1.1
ESE	1.7	1.7	1.1	.3							4.8	1.7
SE	1.5	2.6	1.0	.4							5.5	1.7
SSE	1.3	2.7	1.3	.7							6.0	1.9
S	1.5	1.4	1.1	.8							4.8	1.7
SSW	.9	1.7	.6	.8	.1						3.1	1.5
SW	1.7	1.7	1.6	.7							5.1	1.7
WSW	1.1	2.7	.8	1.7	.2	.1					5.6	1.5
W	3.0	1.7	4.5	1.4	.4						10.0	1.8
WNW	1.5	4.8	2.8	.7	.1	.7					11.6	1.1
NW	1.1	3.7	1.9	1.1	.4						7.2	1.1
NNW	.4	1.7	1.1	1.7	.1						4.9	1.8
VARIABLE												
CALM	////////////////////										12.7	////
TOTALS	19.1	33.8	21.8	11.0	1.4	.4					66.5	1.7

TOTAL NUMBER OF OBSERVATIONS: 900



GLOBAL CLIMATOLOGY BRANCH      PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC      FROM HOURLY OBSERVATIONS  
 AIR FATHER SERVICE/MAC

STATION NUMBER: 727675      STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 1947  
 MONTHS: JAN      HOURS: 0000-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-60		
N	.6	2.7	2.0	1.3	.1							6.7	7.5
NNE	.9	1.7	.9	.4								3.9	7.6
NE	.4	.9	.4	.2								2.0	7.1
ENE	.7	.7	.2	.3								1.9	7.4
E	.7	1.2	1.0	.6								3.4	6.7
ESE	1.7	1.7	1.9	1.1								6.3	7.1
SE	1.3	2.2	1.4	.6								5.5	6.4
SSE	1.6	1.4	1.0	1.0	.1							5.1	6.4
S	1.7	1.6	2.0	1.1	.1							6.4	7.7
SSW	.6	.3	.9	.7	.2							2.7	6.7
SW	.7	1.3	.9	1.1								4.0	7.4
WSW	1.2	1.7	.9	.6								4.4	6.7
W	1.9	2.2	3.7	2.6	.2							11.6	7.5
WNW	.6	1.7	4.0	1.1	.9	.7	.1					10.2	6.9
NW	.7	1.7	3.7	.4	.7	.7						6.9	7.1
NNW	.7	.7	1.7	1.9	.7	.1						7.1	10.7
VARIABLE													
CFLW	////////////////////											17.1	////
TOTALS	19.2	24.7	27.2	19.7	2.2	.8	.1					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS: 500

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: JUN HOURS: 0500-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-54	GE 56	
N	1.4	1.9	3.2	2.0	.2						8.4	7.4
NNE	.4	.9	1.1	1.0	.1						3.4	6.6
NE	.4	1.1	1.0	.4							2.9	6.4
ENE	.7	1.2	.9	.2							2.1	6.0
E	.2	1.6	1.0	.3	.3						4.0	6.6
ESE	.4	.9	2.1	1.1	.7						4.2	6.0
SE	.1	1.9	1.4	1.7	.1						5.2	6.2
SSE	.0	1.0	2.0	1.7	.6	.2					5.5	6.2
S	.4	1.7	2.7	2.0	.7	.1					7.1	6.4
SSW	.7	1.0	1.2	1.6	.4	.2					4.8	10.4
SW	.0	.9	.9	.7							3.5	7.6
WSW	.0	1.7	1.3	1.2							4.4	7.5
W	.4	.7	2.6	3.1	.9	.2					7.9	11.4
WNW	.4	.4	1.8	2.3	.7	.4	.6				6.7	12.4
NW	1.0	1.4	4.7	3.9	1.2	.6	.1				12.4	11.1
NNW	.6	1.6	2.1	3.7	1.1						9.7	10.7
VARIABLE												
CALM	////////////////////										4.2	////
TOTALS	9.4	19.7	29.2	24.1	6.7	1.4	.7				100.3	6.3

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-97  
MONTH: JUL, HOURS: 1700-1900

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.7	2.2	2.9	1.7	.9						7.4	5.1
NNE	.7	1.9	1.0	1.1	.1						4.7	7.4
NE	.6	.6	1.1	.9							3.2	6.8
NNE	.9	.7	.9	.8							3.3	7.9
E	.9	1.0	1.7	.9	.9						5.4	6.9
ESE	.9	1.1	.9	.7	.7						5.2	8.2
SE	.7	1.0	2.6	1.1	.2	.7					7.3	8.2
ESE	.7	1.9	2.0	1.1	.7	.1					7.5	8.2
S	.7	1.1	1.1	1.9	1.0	.7					7.7	11.1
SSW	.6	.9	.8	1.7	.1	.7					5.8	11.1
SW	.7	.9	1.1	.8	.2						3.7	8.2
WSW	.7	1.9	1.6	1.7	.7						7.5	8.2
W	.7	.8	1.9	2.7	1.9	.7	.3	.1			8.7	10.4
WSW	.1	.6	2.7	2.1	.7	.9	.7				6.8	11.1
SW	.7	.7	3.9	9.2	1.6	.7	.1				11.5	11.1
SSW	.9	1.7	2.8	2.1	1.6	.7					9.8	11.2
VARIABLE												
CALM	////////////////////										2.9	////
TOTALS	7.1	14.9	24.6	14.7	9.7	3.7	.7	.1			10.0	10.0

TOTAL NUMBER OF OBSERVATIONS: 879

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 79-87  
MONTH: JUN HOURS(UST): 1500-1700

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.7	1.7	3.3	1.7	.6							7.5	9.3
NNE	.9	1.2	.8	.9	.1							3.4	6.4
NE	.7	.9	.7	.7	.1							2.7	6.2
NNE	.7	1.7	1.0	.9								3.9	7.3
E	1.1	.9	1.7	.7	.9	.1						5.2	6.9
ESE	.9	1.7	.9	.7	.1							3.4	7.1
SE	1.0	1.0	2.4	1.3	.6	.1						6.4	9.1
SSE	.9	1.6	1.9	2.4	.4							7.2	10.2
S	.7	1.0	1.6	1.8	1.0	.1						6.2	11.2
SSE	.9	.7	1.0	1.3	.3	.2						3.7	10.7
SW	.0	.0	1.0	.0	.3							3.4	9.2
WSW	.7	.7	1.0	1.1	.2							4.0	9.9
W	.9	.9	2.6	5.4	1.9	.4	.1	.1				9.4	13.4
WSW	.2	1.7	2.1	4.0	2.0	.6	.2	.7				10.8	13.7
W	.0	1.9	2.9	3.7	1.7	.7						9.8	12.1
WSW	.9	1.1	2.3	3.1	2.7							9.7	12.2
VARIABLE													
CALM												3.2	////
TOTALS	7.5	17.2	26.0	27.4	12.6	2.7	.3	.4				100.0	10.3

TOTAL NUMBER OF OBSERVATIONS: 500

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 74-87  
MONTH: JUN HOURS (LST): 1600-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.1	2.4	3.6	1.5	.2						5.2	7.7
NNE	.7	2.0	1.2	1.2							5.1	7.3
NE	.7	1.0	.8	.7							3.2	6.9
NNE	.7	1.0	1.0	.9	.1						4.4	7.3
E	1.1	1.8	2.3	1.1							6.3	7.3
ESE	.6	1.7	4.1	1.1	.2						7.7	8.3
SE	.2	2.7	2.8	.6	.3						6.6	7.7
SSE	.7	1.2	1.7	2.1	.1						5.3	9.0
S	.7	1.7	1.8	1.2	.1						5.4	7.9
SSW	.2	.8	.6	.3							1.9	7.2
SW	.7	.6	.8	.8	.1						2.9	8.7
WSW	.4	1.4	1.2	1.0	.2	.1					4.4	8.9
W	.7	2.2	2.8	2.0	.6	.7					8.4	9.3
WNW	.4	2.0	2.7	1.9	.2	1.7	.1				8.3	10.8
W	.6	1.8	3.0	4.3	.4	.2	.2				17.6	10.9
NNW		1.0	1.9	2.6	1.2	.1					6.8	12.0
VARIABLE												
CALM	////////////////////											4.0
TOTALS	8.9	26.0	32.1	23.1	3.9	1.7	.3				100.0	8.5

TOTAL NUMBER OF OBSERVATIONS: 960

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: JUN HOURS (LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.2	2.1	1.7	.7		.2					5.9	6.8
NNE	1.1	1.1	.3	.2	.1						2.9	5.2
NE	1.3	.8	1.1	.2	.1						3.6	5.9
ENE	1.2	2.2	.9	.4							4.8	5.7
E	1.2	2.6	.7	.1							4.8	4.8
ESE	.8	3.3	3.6	1.2		.2	.1				9.4	7.8
SE	1.2	5.7	1.4	.4							8.8	5.7
SSE	.7	3.1	1.1	.2							5.1	5.6
S	1.1	3.7	1.3	.9							7.0	6.0
SSW	.6	2.1	.4	.1	.2						3.4	6.1
SW	.8	1.7	1.0	.3							3.8	5.7
WSW	1.0	3.3	1.0			.1					5.4	5.5
W	2.7	4.9	1.9	.6	.4	.1					10.2	6.1
WNW	1.4	3.4	1.1	1.1	.1	.2					7.4	6.8
NW	.8	2.2	1.7	1.1	.3	.4					6.6	6.8
NNW	.1	.6	.8	.7	.1						2.4	5.0
VARIABLE												
CALM	////////////////////////////////////										8.4	////
TOTALS	16.9	43.2	20.2	6.5	1.4	1.3	.1				100.0	5.9

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: JUN HOURS(UT): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	.8	2.1	2.3	1.2	.2	.2					6.6	7.7
NNE	.7	1.2	.9	.6	.1						3.5	6.8
NE	.7	.9	.7	.4	.0						2.8	6.4
NENE	.7	1.3	.8	.5	.0						3.2	6.4
E	.8	1.5	1.3	.7	.2	.7					4.6	7.4
ESE	.8	1.6	2.0	.8	.1	.7	.0				5.4	7.5
SE	1.0	2.7	1.8	1.0	.2	.7					6.6	7.1
SSE	.9	1.9	1.5	1.4	.2	.7					6.1	6.1
S	.9	1.9	1.7	1.3	.4	.1					6.3	6.2
SSW	.5	1.0	.8	.8	.2	.1					3.3	6.7
SW	.7	1.2	1.2	.6	.1						3.8	7.1
WSW	.8	2.0	1.2	.8	.1	.0					5.0	7.1
W	1.4	3.2	2.9	2.3	.8	.2	.1	.0			10.8	6.9
WNW	.8	2.3	2.4	2.3	.6	.5	.2	.7			9.7	10.4
NW	.8	1.8	2.7	2.8	.8	.4	.1				9.3	10.4
NNW	.4	1.1	1.8	2.2	.9	.1					6.7	10.7
VARIABLE												
CALM											7.1	////
TOTALS	12.8	27.5	25.9	19.6	4.9	1.5	.2	.1			100.0	7.9

TOTAL NUMBER OF OBSERVATIONS: 7199

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: JUL HOURS(LEST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.3	2.4	1.6	.2							5.8	5.0
NNE	.5	1.0	.3	.1							1.9	5.1
NE	.4	.5	.4	.2							1.6	6.0
ENE	.8	.5	.4	.1							1.8	5.4
E	.4	1.1	.4	.3	.1						2.4	6.5
ESE	1.1	2.5	1.9	.6	.1						6.2	6.6
SE	1.6	3.5	1.0	.4							6.6	5.1
SSE	2.0	3.1	1.3	.4							6.9	5.3
S	3.0	2.4	1.6	.5	.1						9.0	5.6
SSW	1.9	1.6	1.0	.3	.1						4.8	5.4
SW	1.6	2.7	.4	.3		.1					5.2	5.3
WSW	2.4	3.4	.4	.3							6.6	4.4
W	3.3	5.7	.4	.1	.3	.1					10.0	4.9
WNW	2.3	2.4	1.1	.6							6.5	5.6
NW	1.2	2.3	1.1	.6	.3						5.5	6.9
NNW	.8	1.4	1.1	.4	.1						3.9	6.7
VARIABLE												
CALM	////////////////////										16.6	////
TOTALS	24.5	36.5	15.2	5.9	1.2	.2					100.0	4.6

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: JUL HOURS (LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-63	
N	1.6	2.2	2.2	.2	.2						6.3	5.9
NNE	.6	.3	.8	.2							1.9	6.4
NE	.6	.3	.1								1.1	7.7
ENE	.9	.9	.8								2.5	5.3
E	.6	1.4	.8	.4							3.2	6.1
ESE	.9	1.5	1.3	.7							4.0	6.1
SE	1.4	3.0	1.4	.4							6.2	5.5
SSE	2.0	2.0	1.0	.2							5.3	4.6
S	2.9	2.3	1.2	.3							6.7	4.7
SSW	1.5	1.5	1.2	.6							4.8	5.8
SW	1.1	2.5	.6	.2	.1						4.5	5.7
WSW	2.6	3.2	1.7	.2							7.7	4.8
W	4.7	6.2	1.3	.6	.2						13.1	4.9
WNW	1.5	3.9	1.6	.1							7.1	5.2
NW	1.0	4.4	1.1	.8	.3						7.5	6.5
NNW	.8	1.7	1.1	.5							3.7	6.8
VARIABLE												
CALM	////////////////////////////////////										14.3	////
TOTALS	24.7	36.9	18.0	5.3	.9						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: JUL HOURS (LST): 0600-0600

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GT 56	
N	1.5	1.8	2.2	.9			.1				6.5	7.2
NNE	.9	.5	.6	.7							2.4	5.0
NE	1.0	.9	.4								2.3	4.1
ENE	.8	1.3	.6								2.7	4.6
E	1.0	1.3	1.0	.2							3.4	5.8
ESE	1.0	1.6	1.4	.6	.1						4.7	6.9
SE	1.1	1.5	1.6	.5							4.7	6.4
SSE	2.4	2.6	1.8	.3							7.1	5.2
S	1.7	3.7	1.5	.3							6.5	5.4
SSW	.6	.5	1.4	.4							3.7	6.7
SW	.4	1.3	1.3	.1							3.1	6.1
WSW	1.9	2.5	1.6	.5							6.6	5.3
W	2.5	3.2	3.0	1.1	.4	.1					10.3	6.9
WNW	1.2	4.1	3.7	1.4							10.3	7.2
NW	1.1	2.6	2.2	1.4	.1						7.3	7.3
NNW	1.0	1.7	2.0	.4							5.2	6.6
VARIABLE												
CALM	////////////////////										13.9	////
TOTALS	19.9	30.4	26.3	8.6	.6	.1	.1				100.0	5.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 7A-17  
MONTH: JUL HOURS(EST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-63		
N	1.1	2.6	2.8	.6								7.0	6.5
NNE	.6	1.4	.7	.3								3.0	6.3
NE	.8	1.7	1.1	.7								4.1	6.1
NNE	.6	1.0	.3	.3								2.3	6.0
E	.5	2.0	1.7	.7								4.6	6.7
ESE	.6	1.0	1.3	.9	.1							3.9	7.8
SE	.8	1.8	1.9	.9	.7							5.6	7.7
SSE	1.0	1.7	2.7	1.6	.2							7.2	8.1
S	1.2	2.2	2.2	2.4	.2							8.5	8.6
SSW	1.1	.5	1.4	.9	.2							4.1	9.1
SW	.6	1.2	1.7	.6								4.2	7.4
WSW	.7	1.3	3.1	.4	.1							5.8	7.4
W	.9	2.3	2.4	2.7	1.3							9.5	9.8
WNW	.4	1.7	1.9	2.1	.8	.1						7.6	10.9
NW	.6	2.2	2.6	2.7	.5	.1						7.8	8.9
NNW	1.2	1.7	3.8	1.8	.5							9.0	8.5
VARIABLE													
CALM	////////////////////											3.8	////
TOTALS	12.9	27.0	31.7	20.2	4.2	.2						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: WINDT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: JUL HOURS/ST: 1700-1900

DIRECTION (DEGREES)	WIND SPEED IN KNOTS							TOTAL	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33		
N	.8	2.6	3.2	1.0				7.4	7.1
NNE	.8	.9	1.5	.1				3.2	6.0
NE	.6	1.3	1.1	.2				2.2	5.9
ENE	.4	1.1	1.1	.2				2.8	6.4
E	.4	1.5	1.2	1.4	.2	.1		4.8	9.2
ESE	.5	1.3	1.9	.8	.1			4.6	7.4
SE	1.2	1.3	2.0	1.4	.2			6.1	8.2
SSE	.6	1.4	2.7	.7	.5			6.6	8.5
S	1.3	1.6	2.9	2.8	.9			9.5	9.3
SSW	.2	1.3	.6	1.3	.1			3.5	6.9
SW	.8	1.0	.9	1.1	.1			3.8	7.9
WSW	.8	1.4	1.2	1.4	.3			5.1	8.6
W	.6	2.3	1.5	3.0	1.7	.7		9.4	11.1
WNW	.3	1.6	2.4	3.2	1.3	.3		9.1	11.6
NW	1.1	1.4	2.9	3.9	.4			9.7	9.7
NNW	.9	2.7	2.2	2.7	.5	.1		8.4	9.3
VARIABLE									
CALM	////////////////////////////////////							2.8	////
TOTALS	11.3	24.2	29.2	25.3	6.5	.8		100.0	8.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: JUL HOURS(IST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.7	2.3	3.4	1.9	.3							9.7	7.8
NNE	.4	1.4	1.2	.2								3.2	6.6
NE	.3	.9	.9	.1								2.2	6.4
ENE	.9	1.2	.5	.3								2.9	5.7
E	.6	1.7	1.9	1.0	.1							5.4	7.6
ESE	.3	1.4	2.4	.8	.2							5.1	8.4
SE	.8	1.2	2.2	1.5								5.6	8.1
SSE	1.0	1.7	2.4	1.0	.4	.1						6.6	8.4
S	.6	2.6	1.7	3.1	.4							8.5	9.2
SSW	.4	.9	1.7	.9	.4							4.3	5.2
SW		.9	1.2	.8								2.8	6.9
WSW	.8	1.2	.9	.6		.1						3.6	7.5
W	1.0	1.4	2.6	2.3	1.3	.2						8.7	10.5
WNW	.2	1.1	2.4	2.6	1.5	.2						8.0	11.9
NW	.9	1.6	3.5	3.3	1.1	.4						10.9	10.4
NNW	.4	2.2	3.7	2.2	1.0							9.4	9.8
VARIABLE													
CALM	////////////////////////////////////											3.4	////
TOTALS	10.3	23.4	32.5	22.5	6.8	1.1						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: JUL HOURS (LST): 1400-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.0	2.6	3.2	1.9	.1							9.9	7.2
NNE	.5	1.6	1.4	.9								4.4	7.2
NE	.5	.9	1.4	.1								2.9	6.3
ENE	1.0	1.6	1.1	.3								3.9	6.6
E	1.0	3.1	2.5	1.1								7.6	6.9
ESE	.9	1.9	2.3	1.1	.2							6.3	7.5
SE	1.2	3.2	1.7	.5	.1							6.8	6.2
SSE	1.0	1.4	1.8	1.3	.1							5.6	7.8
S	.8	3.4	2.2	.6	.2							7.2	7.0
SSW	.8	2.3	.9									3.7	5.2
SW	.6	.5	.5	.2	.1	.1						2.7	6.0
WSW	1.1	.6	.4	.2		.1	.1					2.6	6.9
W	.9	1.7	1.6	1.1	.2	.1						5.5	8.1
WNW	1.3	1.8	1.5	1.6	.3	.2						7.0	8.7
NW	1.2	3.4	2.3	2.4	.3	.1						9.7	8.3
NNW	.8	2.5	3.3	2.0	.1							8.7	8.1
VARIABLE													
CALM	////////////////////											6.1	////
TOTALS	15.3	22.4	28.1	15.6	1.8	.6	.1					100.0	6.9

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: JUL HOURS/EST: 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN MILES
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.3	2.8	2.5	1.3							8.6	6.1
NNE	1.3	1.0	.3	.2							2.8	4.7
NE	1.2	1.1	.4	.2							2.9	4.7
NNE	1.1	1.7	1.2								4.0	6.1
E	1.3	1.5	1.0	.8	.4						4.0	7.4
ESE	.9	3.4	2.2	.3							7.2	6.2
SE	1.9	3.7	1.7	.2							7.6	6.1
SSE	2.4	3.9	1.1								7.7	4.6
S	2.7	2.5	.9	.4							6.5	4.7
SSW	1.4	1.6	.8	.1							4.5	4.5
SW	1.1	1.6	.2								2.9	4.0
WSW	1.3	2.6	.4	.1		.1					4.5	6.0
W	3.1	4.2	.4	.1	.4	.1	.1				8.5	6.6
WNW	1.1	1.8	1.2	.8	.1						4.9	6.4
NW	1.1	1.2	1.5	.6							4.4	7.0
NNW	.9	1.4	1.2	.6							4.1	6.2
VARIABLE												
CALM	////////////////////										14.5	////
TOTALS	25.3	36.6	17.0	5.4	1.0	.2	.1				100.0	4.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINGT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: JUL HOURLY OBS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-64	
N	1.5	2.4	2.7	1.0	.1		.0				7.4	6.4
NNE	.7	1.0	.9	.3							2.9	6.1
NE	.7	1.0	.7	.1							2.5	6.4
ENE	.9	1.1	.8	.2							2.9	6.5
E	.7	1.7	1.3	.7	.1	.0					4.5	7.1
ESE	.9	1.9	1.8	.7	.1						5.7	7.1
SE	1.2	2.4	1.7	.7	.1						6.1	6.5
SSE	1.5	2.3	1.8	.7	.0	.0					6.6	6.5
S	1.8	2.5	1.8	1.4	.2						7.7	7.0
SSW	1.0	1.3	1.1	.6	.1						4.1	6.6
SW	.8	1.5	.9	.4	.0	.0					3.6	6.5
WSW	1.5	2.0	1.2	.5	.1	.0	.0				5.3	6.0
W	2.1	3.4	1.7	1.4	.7	.1	.0				9.4	7.5
WNW	1.0	2.2	2.0	1.7	.5	.1					7.6	8.6
W	1.0	2.5	2.1	2.0	.4	.1					8.1	8.4
NNW	.9	1.8	2.3	1.7	.7	.0					6.5	8.2
VARIABLE												
CALM	////////////////////										9.4	////
TOTALS	18.0	32.7	24.7	15.6	2.9	.4	.0				100.0	6.4

TOTAL NUMBER OF OBSERVATIONS: 7440



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 79-87  
MONTH: AUG HOURS (LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56		
N	1.9	3.2	1.0	.3								6.3	5.7
NNE	1.2	.9	.1		.1							2.2	4.1
NE	.6	.3	.2	.1								1.2	4.5
NNE	.4	1.0	.6									2.0	5.6
E	1.0	1.9	1.1	1.1								5.1	7.1
ESE	2.6	1.2	.9	.3								5.2	4.5
SE	3.1	2.9	1.0	.5								7.5	4.6
SSE	2.5	3.4	1.2	.3	.1							7.5	4.5
S	3.0	1.6	.2	.6								5.5	4.4
SSW	1.6	1.4	.4	.1		.1						3.7	4.9
SW	.9	1.6	1.1	.5								4.3	6.6
WSW	2.5	2.9	1.0									6.3	4.3
W	3.5	5.2	1.6	.5		.1						11.1	5.1
WNW	1.3	2.7	1.5	1.1	.4							7.0	7.1
NW	1.6	2.0	1.5	1.4	.2							6.8	7.3
NNW	.8	1.7	1.1	.4				.1				4.1	7.0
VARIABLE													
CALM	////////////////////											13.7	////
TOTALS	28.4	34.7	14.4	7.5	.9	.2		.1				100.0	4.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: AUG HOURS (LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.6	1.5	.5									4.6	2.7
NNE	.4	.7	.2									1.0	4.6
NE	.9	.6	.2		.1							1.7	4.5
ENE	.2	.8	.7	.1								1.4	5.7
E	.9	2.4	1.4	.6	.1							5.3	6.6
ESE	2.4	2.0	1.1	.4	.1							6.6	5.7
SE	2.7	1.8	.9									5.4	4.7
SSE	2.7	2.7	.6	.2								6.7	4.4
S	2.2	2.2	1.0	.2								5.6	4.8
SSW	1.5	1.1	.3	.2								3.1	4.7
SW	2.4	1.7	.5	.4								5.1	4.7
WSW	2.0	2.4	.6	.1								5.2	4.7
W	3.3	4.6	2.2	.5								10.6	5.1
WNW	2.4	2.6	2.8	1.6	.1							9.5	7.1
NW	2.2	3.1	2.2	1.1	.5							9.7	7.1
NNW	1.0	2.0	1.1	.7	.1							5.1	7.1
VARIABLE													
CALM	////////////////////												
TOTALS	29.6	32.3	16.0	6.5	1.1								

TOTAL NUMBER OF OBSERVATIONS: 930

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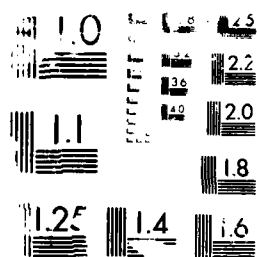
MINOT AFB NORTH DAKOTA REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSERVATIONS (U) AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER SCOTT A. DEC 87  
USAFETAC/DS-87/884

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: AUG HOURS(IST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.9	3.1	1.8	.4							7.3	5.7
NNE	.9	.9	.1								1.8	3.9
NE	.3	.9	.3								1.5	4.9
ENE	.3	.5	.2								1.1	5.0
E	.2	1.5	1.2	.4	.1						3.4	7.4
ESE	1.3	2.4	1.9	.9							6.5	6.6
SE	1.7	2.9	1.3	.5							6.5	5.3
SSE	1.9	2.7	1.5	.4							6.6	5.3
S	2.2	1.2	1.7	.1							5.2	5.4
SSW	1.0	1.4	.9	.4							3.7	6.2
SW	.9	.8	1.1	.6							3.3	6.7
WSW	1.2	1.8	.8	.2	.2						4.2	5.9
W	1.7	3.5	2.2	.9							8.3	6.1
WNW	1.6	1.3	4.5	2.3	.6						10.3	8.7
NW	1.7	3.5	1.9	1.3	.2						9.7	6.9
NNW	1.1	1.6	2.2	1.5	.2						6.6	7.9
VARIABLE												
CALM	////////////////////////////////////										15.2	////
TOTALS	19.9	30.0	23.5	10.0	1.4						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 79-87  
MONTH: AUG HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33		
N	1.4	2.4	2.7	1.2				7.6	7.0
NNE	.9	1.0	1.3	.1				4.2	5.7
NE	.5	1.6	1.2	.1				3.4	5.9
ENE	.6	1.3	.6	.1	.2			2.9	6.4
E	1.2	1.7	1.7	.5				5.2	6.3
ESE	.3	1.1	1.9	1.3	.1			4.7	8.9
SE	1.0	2.3	2.6	1.4				7.2	7.5
SSE	.4	1.4	2.5	1.5	.1			5.9	8.7
S	.3	2.8	3.7	2.0	.1			8.9	8.3
SSW	.4	.8	2.3	.6				4.1	8.2
SW	.8	.8	1.5	.2				3.2	6.7
WSW	.8	.8	.6	1.1	.3			3.5	8.4
W	.9	1.4	1.0	1.2				5.4	7.6
WNW	.2	1.4	2.2	2.0	1.2			7.7	11.1
NW	1.0	1.3	2.9	3.5	1.2	.7		10.1	10.8
NNW	1.0	1.8	2.7	4.0	.3	.1		9.9	9.5
VARIABLE									
CALM	////////////////////							5.9	////
TOTALS	11.6	24.6	32.3	21.7	3.5	.3		100.0	7.9

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: AUG HOURS(IST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.8	2.4	2.8	2.0	.2							8.2	8.3
NNE	.2	.9	1.7	.4								3.2	7.7
NE	1.1	1.4	.8	.2								3.4	5.4
ENE	.9	1.3	.6	.3	.1	.1						3.4	6.8
E	1.3	2.2	2.4	.3	.2							6.3	6.6
ESE	1.1	1.8	1.2	1.1								5.2	7.3
SE	1.1	1.6	3.0	1.2	.2							7.1	7.8
SSE	.5	.9	1.8	2.4	.3							5.9	9.9
S	.5	1.3	3.8	2.7	.4							8.7	9.9
SSW	.4	1.0	1.6	1.3	.2							4.5	6.5
SW	.1	.5	1.3	.5								2.5	8.1
WSW	.1	1.3	1.0	.6								3.0	7.4
W	.2	.9	2.8	.9		.1						4.8	8.9
WNW	.4	1.4	2.5	2.3	.8	.1						7.6	10.9
NW	.3	1.0	2.5	5.2	1.6	1.0						11.5	13.0
NNW	.5	2.0	3.7	2.9	.9							10.0	10.0
VARIABLE													
CALM	////////////////////											4.5	////
TOTALS	9.6	21.7	33.4	24.3	4.9	1.5						100.0	8.8

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: AUG HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.9	2.3	4.0	3.2	.1						10.4	8.8
NNE	.8	1.5	1.3	.4							4.0	6.5
NE	.8	1.5	1.2	.1							3.5	5.8
ENE	.5	.9	1.3	.3							3.0	6.6
E	1.2	1.8	1.7	.3	.1						5.2	6.4
ESE	.6	1.8	1.7	1.5	.1						5.8	8.3
SE	.8	1.2	1.8	1.4	.2						5.4	8.4
SSE	1.0	.5	3.0	1.9	.3						6.8	9.3
S	.3	1.4	3.3	2.4	.1						7.5	9.3
SSW	.4	.6	1.5	1.4	.1						4.1	8.9
SW	.3	1.0	.9	1.5	.1						3.8	9.3
WSW	.4	1.2	1.4	.6							3.7	7.3
W	.9	.8	1.5	2.4	.4						5.9	9.8
WNW	.4	.9	2.4	2.6	1.1	.4					7.7	11.7
NW	.5	1.8	2.7	4.3	.4	.2					10.0	10.5
NNW	.5	1.3	2.6	4.3	1.0	.7					10.0	11.3
VARIABLE												
CALM	////////////////////										3.2	////
TOTALS	10.3	20.4	32.3	28.7	4.1	1.0					100.0	8.8

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 7A-87  
MONTH: AUG HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.6	3.1	2.4	1.6								9.7	6.3
NNE	1.0	2.2	1.7	.5								5.4	6.4
NE	1.5	.4	1.1									3.3	4.9
ENE	1.7	1.3	1.0									4.0	4.4
E	1.8	3.5	2.4	.4								8.4	6.1
ESE	.6	2.7	2.3	.4								6.0	6.5
SE	1.1	2.9	2.5	.6	.1							7.2	6.7
SSE	1.0	2.2	1.9	1.4								6.5	7.3
S	1.2	2.8	1.9	.9	.1							6.9	6.8
SSW	.8	1.0	.8	.1								2.6	5.4
SW	.6	1.6	.6	.2								3.1	5.7
WSW	.4	.8	.6	.4	.1	.1						2.5	7.8
W	1.1	1.8	1.4	.5								5.2	6.8
WNW	.5	1.7	1.6	1.2	.5	.1						5.7	9.3
NW	1.0	2.4	2.8	2.3	.4							8.8	8.6
NNW	.8	2.6	2.4	2.4	.1	.1						8.3	8.6
VARIABLE													
CALM	////////////////////											6.3	////
TOTALS	17.7	33.2	27.4	13.7	1.4	.3						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS: 927

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: AUG HOURS(IST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.9	3.2	1.3	.1							6.6	4.7
NNE	1.6	.9	.8								3.2	4.7
NE	1.2	1.1	.3	.1							2.7	4.1
ENE	1.0	1.8	.6	.2							3.7	5.4
E	2.2	3.3	2.0	.3							7.9	5.5
ESE	1.4	3.9	.5	.5							6.4	5.3
SE	2.0	4.3	1.2	.5							8.1	5.4
SSE	2.4	3.5	1.2	.4							7.4	5.0
S	3.6	2.2	1.0	.4							7.1	4.5
SSW	1.3	.9	.4	.4							3.0	5.6
SW	1.0	1.0	.2	.1							3.1	4.4
WSW	1.0	2.5	.4	.1							4.0	4.6
W	3.1	4.1	.9	.4							8.5	4.7
WNW	1.3	2.7	1.3	.8	.4						6.5	7.1
NW	.4	2.9	1.9	1.0							6.3	7.1
NNW	1.0	2.0	1.0	.5	.1						4.6	6.3
VARIABLE												
CALM	////////////////////										10.9	////
TOTALS	26.3	41.1	15.1	6.0	.5						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS: 927

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: AUG HOURS (LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.4	2.6	2.1	1.1	.0						7.6	6.5
NNE	.9	1.2	.9	.2	.0						3.1	5.8
NE	.8	1.0	.7	.1	.0						2.6	5.1
ENE	.7	1.1	.7	.1	.0	.0					2.7	5.8
E	1.2	2.3	1.7	.6	.1						5.8	6.4
ESE	1.3	2.3	1.4	.8	.0						5.9	6.5
SE	1.7	2.5	1.8	.8	.1						6.9	6.2
SSE	1.5	2.2	1.7	1.1	.1						6.6	6.7
S	1.7	1.9	2.1	1.2	.1						6.9	7.0
SSW	.9	1.0	1.0	.6	.0	.7					3.6	6.9
SW	.9	1.2	.9	.6	.0						3.6	6.5
WSW	1.0	1.7	.8	.4	.1	.0					4.0	6.9
W	1.8	2.8	1.8	1.0	.1	.0					7.5	6.3
WNW	1.0	1.8	2.3	1.8	.6	.1					7.7	9.1
NW	1.1	2.3	2.3	2.5	.6	.2					8.9	9.2
NNW	.8	1.9	2.1	2.1	.3	.1		.7			7.3	8.9
VARIABLE												
CALM	////////////////////										9.3	////
TOTALS	19.2	29.8	24.3	14.8	2.2	.4		.7			100.0	6.4

TOTAL NUMBER OF OBSERVATIONS: 7434

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.3	2.1	1.2	.3	.2						5.2	6.0
NNE	.3	.2	1.4	.4							2.4	7.8
NE	.6	.9	1.4	.1							3.0	6.2
ENE	.1	.8	.3		.1		.2				1.6	10.2
E	.7	1.7	1.4	.7		.3					4.8	8.3
ESE	1.3	2.8	1.4	1.1							6.7	6.7
SE	1.2	2.9	1.4	.3							5.9	5.4
SSE	1.1	2.8	1.4	.2							5.6	5.6
S	1.8	3.2	1.2	.1							6.3	5.0
SSW	.7	1.6	1.2	.1							3.6	5.7
SW	.9	1.2	.9	.1		.1					3.2	6.2
WSW	.8	3.1	2.3	.2							6.4	5.8
W	2.9	4.9	3.7	1.8	.2						13.4	6.7
WNW	.7	4.7	2.2	.9	.3	.2					9.0	7.4
NW	1.0	2.8	2.8	1.0	.4						8.0	7.7
NNW	.7	1.4	1.2	1.0							4.3	7.5
VARIABLE												
CALM	////////////////////										10.6	////
TOTALS	16.0	37.0	25.8	8.4	1.3	.7	.2				100.0	5.9

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AF3 ND

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(IST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.7	2.2	1.2	.6	.3						6.0	6.2
NNE	.3	.3	1.6	.4							2.7	7.8
NE	.6	.8	.6	.4							2.3	6.4
ENE	.6	.9	.7	.1		.1					2.3	6.5
E	.6	1.7	1.8	.7	.2	.2	.2	.1			5.4	9.9
ESE	.8	2.4	1.8	.7							5.7	6.6
SE	1.2	2.6	1.2	.2							5.2	5.5
SSE	1.2	2.6	1.7	.1							5.6	5.5
S	1.3	1.6	1.2	.3							4.4	5.6
SSW	1.4	1.6	.6	.2							3.8	4.7
SW	1.0	1.6	1.8	.4							4.8	6.3
WSW	1.4	2.4	2.4	.6							6.9	6.1
W	1.3	6.9	3.2	1.2	.7						13.3	7.0
WNW	1.9	2.2	2.6	.9	.7	.2					8.4	8.0
NW	1.0	3.6	2.4	1.6	.1	.2					8.9	7.6
NNW	.4	2.1	1.3	1.1							5.0	7.5
VARIABLE												
CALM	////////////////////										9.2	////
TOTALS	16.8	35.3	26.0	9.6	2.0	.9	.2	.1			100.0	6.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: SEP MONTHS (LAST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.0	1.9	2.6	1.3	.2						7.0	7.8
NNE	.2	.2	1.2	.4							2.1	8.9
NE	.1	.4	.9	.2							1.7	7.8
ENE	.3	1.7	1.4	.1							3.6	6.3
E	1.1	1.7	2.6	.7	.3	.2					6.6	8.1
ESE	.2	1.1	1.9	.8	.2	.1					4.3	8.9
SE	1.4	1.9	1.7	.9							5.9	6.4
SSE	1.1	2.6	.9	.4	.1						5.1	6.1
S	1.6	1.7	1.0	.2							4.4	5.3
SSW	.7	1.1	.8	.4							3.0	6.5
SW	.8	1.6	.4	.1							2.9	5.0
WSW	1.4	2.4	2.0	.4	.1						6.4	6.3
W	2.4	3.7	3.2	1.0	.4	.3					11.1	7.2
WNW	1.0	3.4	3.9	1.4	1.2	.1					11.1	8.9
NW	1.2	2.3	3.2	1.9	.6	.3					9.6	8.9
NNW	.2	1.2	2.3	.7							4.4	7.5
VARIABLE												
CALM	////////////////////										10.8	////
TOTAL	14.9	28.9	30.0	11.1	3.2	1.1					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(IST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.9	2.2	3.1	1.9	.6						9.6	7.9
NNE	.2	.7	2.6	.6							4.2	8.5
NE	.4	.7	.9	.3	.1						2.4	7.4
ENE	.2	.6	1.3	1.1	.2						3.7	9.2
E	.3	1.0	2.3	1.0	.2						4.9	9.0
ESE	.9	.9	1.4	1.6	.7						5.4	9.2
SE	.7	1.4	2.0	1.7							5.8	8.0
SSE	.7	.7	1.6	1.1							4.0	8.6
S	.7	.9	2.8	2.0	.8						7.1	9.9
SSW	.2	.9	1.1	1.0							3.1	8.7
SW	.8	.8	1.9	.8							4.2	7.2
WSW	.4	.9	1.7	.8	.1						3.9	8.3
W	.7	1.7	2.6	3.9	.6	.2	.2	.1			9.9	11.3
WNW	.9	.8	1.4	2.2	1.6	.9	.1				7.8	13.3
NW	.3	1.3	3.7	4.0	.8	.6					10.7	11.5
NNW	.6	1.9	3.6	2.6	.2						8.8	9.2
VARIABLE												
CALM	////////////////////										4.6	////
TOTALS	9.7	17.3	33.9	26.7	5.8	1.7	.3	.1			100.0	9.2

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.3	2.0	3.0	2.6	.7							9.6	8.8
NNE	.7	.7	1.4	1.2								4.0	8.5
NE	.6	.6	1.1	.8								3.0	7.9
ENE	.9	1.0	1.7	.8		.2						4.6	7.7
E	1.1	1.4	1.1	2.3	.6							6.6	9.2
ESE	.3	.7	.7	1.2	.2							3.1	10.1
SE	.3	.8	2.1	1.8	.2							5.2	10.0
SSE	.2	1.1	.9	2.0	.1							4.3	10.0
S	.3	1.8	2.3	3.1	.7							8.2	10.2
SSW	.1	1.1	1.1	1.2	.3	.1						4.0	9.9
SW		.6	2.0	.3	.1							3.0	8.9
WSW	.3	.9	1.4	1.1	.1							3.9	9.0
W	.3	1.1	1.6	2.9	1.2	.3	.3					7.8	12.6
WNW	.9	1.0	2.4	3.4	2.0	1.2	.1					11.1	13.2
NW	.7	1.4	2.7	3.8	1.9	.8						11.2	12.5
NNW	.8	1.0	2.2	2.4	.7	.4						7.6	10.8
VARIABLE													
CALM	////////////////////////////////////											2.9	////
TOTALS	8.9	17.1	27.8	31.0	8.8	3.1	.4					100.0	10.2

TOTAL NUMBER OF OBSERVATIONS: 900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.9	2.3	3.2	2.4	.3						9.2	8.5
NNE	.4	1.0	1.3	.9	.2						3.9	8.7
NE	.3	1.0	1.2	.6							3.1	7.4
ENE	.8	1.2	2.2	1.0		.3					5.6	8.4
E	.4	2.2	1.9	1.9	.3	.1					6.9	9.0
ESE	.4	.9	1.4	.6	.2						3.6	8.3
SE	.6	.7	.9	1.1	.1	.1					3.4	9.2
SSE	.4	.6	1.6	1.9	.1						4.6	9.6
S	.6	1.6	1.8	2.9	.2						7.0	9.6
SSW	.3	1.1	1.3	1.4	.2	.1					4.6	9.6
SW	.4	.8	1.4	.8		.1	.1				3.7	9.6
WSW	.3	.9	1.4	.8	.3	.1					3.9	9.4
W	1.0	1.3	2.7	2.7	1.1	.1	.1				9.0	10.5
WNW	.4	.6	1.8	3.7	1.9	.9					9.1	13.6
NW	.1	.9	2.8	5.4	2.3	.6					12.3	13.2
NNW	.7	1.2	2.9	2.8	.6	.1					8.2	10.3
VARIABLE												
CALM	////////////////////											2.0
TOTALS	8.4	18.2	29.9	30.8	7.9	2.6	.2				100.0	10.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-63	
N	2.3	2.9	2.2	1.6	.1						9.1	6.7
NNE	.3	1.1	1.7	.7	.2						4.0	7.8
NE	.7	1.1	.9	.6							3.2	6.4
ENE	.4	1.9	1.4	.7	.2	.1					4.8	7.9
E	1.1	2.3	3.4	1.4	.2	.1					8.7	7.7
ESE	.4	1.9	1.2	.7	.1						4.3	7.4
SE	.9	3.1	.7	.2	.1	.1					5.1	5.9
SSE	1.4	2.4	1.4	.3							5.7	5.9
S	1.7	2.6	1.8	.4							6.4	5.7
SSW	.9	1.2	.3	.1							2.6	5.0
SW	.7	1.6	.4	.1		.1					2.9	5.8
WSW	.7	1.8	1.0	.4	.1						4.0	6.6
W	1.3	1.9	1.1	1.1	.2						5.7	7.2
WNW	.7	2.6	1.9	1.6	.7	.6					8.1	9.8
NW	1.3	1.8	3.6	3.0	1.6	.1	.1				11.4	10.1
NNW	1.1	2.7	2.0	1.2	.1						7.1	7.3
VARIABLE												
CALM	////////////////////										6.9	////
TOTALS	16.0	32.8	25.1	14.3	3.7	1.1	.1				100.0	6.9

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.9	1.6	1.2	.9	.1		.1				5.8	6.7
NNE	.9	1.1	1.2	.3	.1						3.6	6.6
NE	.8	1.1	.4	.8	.1						3.2	7.2
ENE	1.2	1.6	1.4	.6							4.8	6.4
E	.6	1.7	1.9	1.1	.2						5.4	8.4
ESE	.7	1.1	2.4	.6							4.8	7.0
SE	1.0	3.9	1.3	.7							6.9	6.0
SSE	1.1	3.6	.7	.1							5.4	4.9
S	2.2	3.9	.6								6.7	4.1
SSW	.7	1.6	.8								3.0	5.1
SW	.8	2.8	.4	.1							4.1	4.9
WSW	1.0	2.4	.7								4.1	4.7
W	2.8	5.3	3.0	.9	.2						12.2	6.0
WNW	1.6	3.0	2.7	.7	.3	.6					8.8	7.8
NW	.7	3.4	2.0	1.9	.4	.4					8.9	9.2
NNW	.4	1.3	1.6	.1	.1						3.6	6.7
VARIABLE												
CALM	////////////////////										8.8	////
TOTALS	18.1	39.3	22.3	8.7	1.7	1.0	.1				100.0	5.9

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS (LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.5	2.2	2.2	1.4	.3		.0				7.7	7.5
NNE	.4	.7	1.6	.7	.1						3.4	8.1
NE	.5	.8	.9	.5	.0						2.7	7.1
ENE	.6	1.2	1.3	.5	.1	.1	.0				3.4	7.7
E	.7	1.7	2.1	1.2	.3	.1	.0	.0			6.2	8.6
ESE	.6	1.5	1.5	.9	.2	.0					4.7	7.8
SE	.9	2.2	1.4	.9	.1	.0					5.4	6.9
SSE	.9	2.0	1.3	.8	.0						5.0	6.8
S	1.3	2.1	1.6	1.1	.2						6.3	7.2
SSW	.6	1.2	.9	.6	.1	.0					3.4	7.1
SW	.7	1.3	1.2	.3	.0	.0	.0				3.6	6.7
WSW	.8	1.9	1.6	.5	.1	.0					4.9	6.8
W	1.6	3.3	2.6	1.9	.6	.1	.1	.0			10.3	8.3
WNW	1.0	2.3	2.4	1.9	1.1	.6	.0				9.2	10.3
NW	.8	2.2	2.9	2.8	1.0	.4	.0				17.1	10.3
NNW	.6	1.6	2.1	1.5	.2	.1					6.1	8.7
VARIABLE												
CALM	////////////////////										7.0	////
TOTALS	13.6	28.2	27.6	17.6	4.3	1.5	.2	.0			100.0	7.6

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.9	1.8	1.5	1.0	.3	.7					5.7	8.5
NNE	.1	.5	.9	.2	.4						2.2	9.6
NE	.5	.4	.4	.1							1.5	5.3
ENE	.2	.3	.6	.2							1.4	7.1
E	.5	.6	.5	.3							2.0	6.7
ESE	1.1	2.0	1.2	.3							4.6	6.0
SE	1.1	2.0	.4	.4							4.7	5.6
SSE	1.7	2.7	1.2	.2							5.8	5.3
S	2.5	2.4	1.8	1.5	.1						9.3	6.5
SSW	1.4	1.5	1.4	1.8	.2	.1					6.5	8.3
SW	1.4	1.6	2.2	.6							5.8	6.4
WSW	1.7	2.6	2.8	.8		.2					7.3	7.3
W	2.4	4.2	3.4	1.6	.4	.1					12.2	7.1
WNW	.2	3.3	4.5	7.7							13.8	8.6
NW	.7	2.2	2.2	2.3	.9	.3	.1	.2			8.4	11.5
NNW		1.1	2.4	2.0	.4						5.9	10.5
VARIABLE												
CALM	////////////////////										7.7	////
TOTALS	15.3	29.4	27.4	16.1	2.8	1.7	.1	.2			100.0	7.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS (LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.4	2.7	1.7	1.2	.8						6.8	9.0
NNE	.3	.2	.3	.1	.1	.1					1.2	8.9
NE	.3	.4	.4	.2							1.4	6.7
ENE	.6	.4	.4	.3							1.8	6.4
E	.8	1.6	.3	.1							2.8	4.9
ESE	.6	1.9	1.4	.6							4.6	6.9
SE	.9	1.9	.9								3.7	4.9
SSE	1.1	3.4	.9	.5							5.9	5.7
S	2.6	2.0	1.8	.4							6.9	5.5
SSW	.3	1.6	1.0	1.1	.1	.1					4.2	8.7
SW	.9	.9	1.4	1.0							4.1	7.3
WSW	1.3	3.0	3.0	.4							7.7	6.3
W	2.2	3.6	6.1	2.0	.2						14.3	7.4
WNW	.5	3.4	4.8	2.3	.2	.2	.2	.2			11.9	9.6
NW	.5	1.7	3.2	3.7	.5	.3					10.0	10.8
NNW	.1	.5	1.7	1.5	.3	.1					4.3	10.4
VARIABLE												
CALM	////////////////////										8.4	////
TOTALS	13.4	29.7	29.5	15.5	2.3	.9	.2	.2			100.0	7.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(IST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.8	1.2	1.8	1.5	.4	.3					6.0	9.8
NNE	.8	.3	.2	.3							1.6	5.9
NE	.6	.2	.5	.2							1.6	6.3
ENE	.4	.1	.3	.3							1.2	6.7
E	.6	1.2	.5	.6							3.0	6.6
ESE	.5	1.5	.9	.8							3.7	7.0
SE	.3	3.0	2.3	.3							5.9	6.6
SSE	1.6	2.3	1.2	.4							5.5	5.5
S	1.2	1.7	1.3	.8							4.9	6.2
SSW	.5	.9	1.6	.4							3.4	7.3
SW	1.1	1.1	1.2	.8	.1						4.2	6.7
WSW	.8	2.4	3.3	1.2	.1						7.7	7.4
W	.9	3.4	5.4	2.2	.3	.2	.1				12.6	8.5
WNW	.9	3.1	4.4	2.6	.9		.3				12.2	9.5
NW	.6	2.3	3.4	4.0	.9	.4					11.6	10.4
NNW	.3	1.6	2.0	1.6	.3						5.9	9.0
VARIABLE												
CALM	////////////////////										8.9	////
TOTALS	11.9	26.3	30.4	14.0	3.0	1.0	.4				100.0	7.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(UT): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.6	1.7	2.4	3.0	.5	.2					8.5	10.1
NNE	.3	.3	.5	.9							1.9	9.1
NE	.2	.2	.3								.8	5.4
ENE	.5	.3		.3	.1						1.3	7.3
E	.6	1.2	1.3	1.4							4.5	8.4
ESE	.5	1.0	1.0	1.1							3.5	8.0
SE	.4	.6	2.3	.9							4.2	8.2
SSE	.6	1.4	1.8	1.1	.2						5.2	8.0
S	.4	1.4	2.3	2.6	1.0	.1					7.7	10.9
SSW	.8	1.5	2.3	.4	.1	.1					5.2	7.7
SW	.3	.6	1.5	1.4							3.9	8.8
WSW	.9	1.5	1.8	2.2							6.3	8.4
W	.4	1.5	4.4	4.3	.8	.6	.2				12.3	11.5
WNW	.3	.6	1.7	3.9	1.9	1.2	.2				9.9	14.5
NW		1.9	2.5	4.5	2.5	.3	.1				11.8	12.8
NNW	.5	1.2	3.0	3.0	1.4	.2					9.4	11.0
VARIABLE												
CALM	////////////////////										3.7	////
TOTALS	7.6	17.1	29.0	30.8	8.5	2.8	.5				100.0	10.1

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS (LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.2	1.0	2.4	3.4	.9	.1					8.0	11.3
NNE	.3	.8	1.1	.9							3.0	8.7
NE	.1	.5	.2	.2	.3						1.4	9.7
ENE	.4	.4	.2	.5							1.6	7.8
E	.9	.6	.9	1.4	.3	.1					4.2	9.3
ESE	.4	.4	1.7	1.5	.2						4.3	9.9
SE		.6	1.6	.6		.1					3.0	8.6
SSE	.2	.4	1.1	2.0	.8						4.5	12.0
S		1.0	2.8	4.2	1.2	.1					9.2	12.0
SSW	.4	.9	2.0	1.3	.1						4.7	8.5
SW	.1	.8	1.4	1.6	.5						4.4	11.0
WSW	.1	.5	2.0	2.3	.5						5.4	11.1
W	.2	.6	2.2	4.9	1.0	.3	.2				9.5	12.8
WNW	.1	1.0	2.5	3.2	2.3	1.2	.4				10.6	14.4
NW	.1	.6	3.3	3.0	2.8	1.2	.2				11.3	14.5
NNW	.3	2.6	3.0	3.1	2.5	.9	.3				12.6	12.5
VARIABLE												
CALM	////////////////////										2.2	////
TOTALS	4.0	12.8	28.4	34.3	13.3	3.9	1.2				100.0	11.6

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.3	1.9	3.5	3.0	.9	.2					9.9	10.3
NNE	.6	.8	.9	.9	.1						3.2	8.3
NE	.4	1.0	.3	.5	.1	.1					2.5	8.1
ENE	.1	.3	.1		.2	.1					.9	11.0
E	.5	1.1	1.2	1.2	.4						4.4	9.0
ESE		1.2	2.5	1.2							4.8	8.4
SE	.1	.3	1.0	1.4							2.8	10.5
SSE	.4	1.0	1.7	2.0	.2						5.4	9.4
S	.2	1.1	2.2	3.7	.6	.2					8.0	11.3
SSW	.2	1.2	1.7	.5							3.7	7.8
SW	.3	2.2	1.3	1.2	.3						5.3	8.5
WSW	.5	.9	1.5	1.9	.2						5.1	9.6
W	.1	1.3	2.5	4.4	.8	.5					9.6	11.8
WNW	.4	1.9	1.8	4.7	1.4	.8	.2				11.3	12.3
NW	.3	1.4	2.3	3.9	2.5	1.2					11.5	13.5
NNW	.4	1.3	2.3	2.4	1.5	1.6	.2				9.7	14.0
VARIABLE												
CALM	////////////////////										2.2	////
TOTALS	5.2	18.7	26.7	32.9	9.2	4.7	.4				100.0	10.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(IST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS								TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40		
N	.8	2.2	2.5	1.4	.9	.3	.1		8.1	5.7
NNE	1.2	1.4	.3	1.0	.1	.2			4.2	7.4
NE	.6	.9	.2	.1	.3				2.2	6.9
ENE	.8	.6	.3						1.7	4.1
E	.2	1.4	1.8	.9	.1				4.3	8.0
ESE	.5	2.4	1.2	.6					4.8	6.7
SE	1.4	2.3	1.7	.3					5.7	5.7
SSE	.6	3.2	1.6	1.2					6.7	6.9
S	1.4	3.2	1.3	.6	.1				6.7	5.9
SSW	1.0	2.3	.6	.2					4.1	5.2
SW	.4	2.2	1.4	.3					4.3	6.1
WSW	1.6	2.7	1.6	.1					6.0	5.3
W	1.9	4.4	2.9	.9					10.1	6.7
WNW	.5	3.3	3.3	2.0	.5	.1			9.9	5.5
NW	1.0	2.2	3.5	2.7	.5	.4	.2		10.5	10.0
NNW	.3	1.2	1.6	1.7	.8		.3		5.9	11.5
VARIABLE										
CALM	////////////////////								4.9	////
TOTALS	14.3	35.7	26.0	14.1	3.3	1.1	.6		100.0	7.1

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.6	1.1	1.4	1.4	1.2	.1					5.8	10.8
NNE	.1	1.1	1.1	.6	.1	.1					3.1	9.1
NE	.2	.8	.4	.1	.1						1.6	6.5
ENE	1.0	.9	.3								2.2	4.0
E	.5	.5	1.2	.3		.1					2.7	7.6
ESE	.4	1.1	.8	.2	.1						2.6	6.8
SE	1.0	2.7	.8	1.0							5.4	6.2
SSE	1.6	3.3	2.0	1.0	.1						8.1	6.4
S	2.7	3.3	1.4	1.3	.2						8.9	6.7
SSW	1.4	1.6	1.0	.2	.1						4.3	5.8
SW	1.2	1.6	1.5	.5	.1						4.9	6.5
WSW	1.5	2.5	1.5	1.1							6.6	6.4
W	1.6	3.9	4.4	1.3	.2	.1					11.5	7.2
WNW	.9	2.2	4.6	1.7	.4	.1					9.9	8.8
NW	.4	2.2	1.9	3.1	.6	.2	.2				8.7	10.7
NNW	.2	1.3	2.6	1.6	.4	.2	.1				6.5	10.3
VARIABLE												
CALM	////////////////////											7.3
TOTALS	15.4	29.9	26.9	15.5	3.8	1.7	.3				100.0	7.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(EST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.6	1.7	2.2	2.0	.7	.2	.0				7.3	10.0
NNE	.5	.7	.7	.6	.1	.1					2.6	8.3
NE	.4	.6	.4	.2	.1	.7					1.6	7.0
ENE	.5	.4	.3	.2	.0	.0					1.5	6.4
E	.6	1.0	1.0	.8	.1	.0					3.5	7.8
ESE	.5	1.4	1.3	.8	.0						4.1	7.5
SE	.6	1.7	1.4	.6		.0					4.3	6.8
SSE	1.0	2.2	1.4	1.1	.2						5.9	7.2
S	1.4	2.0	1.9	1.9	.4	.1					7.6	8.3
SSW	.8	1.4	1.5	.8	.1	.0					4.5	7.5
SW	.7	1.4	1.5	.9	.1						4.6	7.6
WSW	1.0	2.0	2.2	1.2	.1	.0					6.5	7.6
W	1.2	2.0	3.9	2.7	.5	.2	.1				11.5	8.9
WNW	.5	2.4	3.5	2.9	1.0	.4	.2	.0			10.8	10.8
NW	.4	1.8	2.8	3.4	1.4	.5	.1	.0			10.5	11.9
NNW	.7	1.3	2.3	2.1	1.0	.4	.1				7.5	11.5
VARIABLE												
CALM	////////////////////										5.6	////
TOTALS	10.9	24.9	28.0	22.1	5.8	2.0	.5	.1			100.0	8.6

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(1ST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS								TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40		
N	.9	2.4	1.1	1.4		.3			6.2	8.3
NNE	.8	1.0	.3	.9	.2				3.2	8.0
NE	.1	.6	.3						1.0	5.1
ENE	.1	.1	.3	.1					.7	7.8
E	.4	.9	1.2	.7					3.2	7.4
ESE	.3	1.2	1.1	.6					3.4	7.6
SE	.6	2.1	.9	.7					4.2	6.6
SSE	.6	2.7	1.6	.3					5.1	6.2
S	1.6	2.4	1.0	1.1	.1	.1			6.3	6.9
SSW	1.3	.7	1.0	.6		.1			3.7	6.5
SW	.9	1.4	2.2	.4					5.0	6.9
WSW	1.1	3.2	2.3	.6					7.4	6.4
W	1.0	3.7	4.4	1.9	.2	.3	.1		11.7	8.4
WNW	.8	3.3	3.2	1.6	.3	.1	.1		9.4	8.5
NW	.7	1.7	4.2	4.7	1.6	.6			13.3	11.5
NNW	.6	1.3	3.2	1.9	1.0	.7	.1		8.2	10.4
VARIABLE										
CALM	////////////////////////////////////								7.8	////
TOTALS	11.7	28.8	28.6	17.7	3.4	1.9	.3		100.0	7.6

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS (LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.6	2.6	3.0	1.9	.2	.1	.1					8.3	8.7
NNE	.4	.7	.6	.8		.1						2.6	8.3
NE		.7	.6	.2								1.4	7.2
ENE		.1	.3									.4	6.5
E	.7	.6	1.1									2.3	6.9
ESE	.4	1.3	2.7	.2								4.7	7.2
SE	.7	1.7	1.1	.7								4.1	6.8
SSE	1.4	2.0	1.6	.7								5.7	6.2
S	.8	2.1	1.3	.8		.1						5.1	6.7
SSW	.3	1.0	.8	.2		.2						2.6	7.5
SW	.6	2.0	1.4	.4								4.4	6.8
WSW	1.0	2.8	2.6	1.1								7.4	7.0
W	1.2	4.1	5.4	2.4	.4	.1						13.9	8.1
WNW	.9	1.9	4.4	2.3	.4	.2	.3					10.6	9.9
NW	.9	1.9	3.3	3.0	.9	.1						10.9	10.1
NNW	.4	1.0	1.9	2.0	1.1	.4	.1					7.0	11.9
VARIABLE													
CALM	////////////////////											8.7	////
TOTALS	10.3	26.7	32.1	17.4	3.1	1.4	.6					100.0	7.6

TOTAL NUMBER OF OBSERVATIONS: 900

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS: 0600-0600

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.7	2.0	2.4	1.8	.7	.2	.1					7.9	9.6
NNE	.2	1.1	.6	.7								2.9	7.5
NE	.2	.6	.8									1.7	5.9
ENE	.1	.2	.4									.8	6.3
E	.4	.9	.8									2.1	5.6
ESE	1.0	.8	1.9	.4								4.1	6.7
SE	.2	1.1	.9	.8								3.1	7.6
SSE	.6	3.2	1.0	1.2								6.0	6.9
S	1.8	1.6	1.3	.6	.1							5.3	6.9
SSW	.6	1.8	1.3	.3	.1	.1						4.2	7.3
SW	.6	1.7	.9	.3	.1							3.6	6.5
WSW	.6	3.2	2.1	.3	.1							6.3	6.6
W	1.1	4.6	5.2	3.1	.2							14.2	7.9
WNW	.9	1.8	3.3	2.4	1.1	.2						10.3	10.7
NW	.4	2.8	4.6	3.1	.3	.6						11.8	10.0
NNW	.3	1.3	2.3	2.1	.6	.3	.4					7.4	11.7
VARIABLE													
CALM	////////////////////////////////////											9.2	////
TOTALS	10.0	23.6	30.1	17.2	3.3	2.0	.6					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS: 900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(IST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.7	1.6	2.0	2.0	.4	.1	.1				6.9	10.0
NNE	.3	.8	.3	.7							2.1	7.4
NE	1.0	.6	.7	.3							2.6	6.3
ENE	.2	.2	.4	.3							1.2	8.0
E	.3	.9	.8	.1							2.1	6.1
ESE	.4	.9	1.2	.3	.1						3.0	7.4
SE	.3	1.4	1.4	1.4	.2						4.9	9.1
SSE	.7	1.3	1.9	1.0	.2						5.1	8.0
S	.9	1.9	1.7	1.4	.7						6.6	8.5
SSW	.9	1.4	.9	.4	.3						4.0	7.3
SW	.2	1.0	.9	1.1	.1						3.3	9.6
WSW	.7	1.8	2.2	1.8	.1	.1					6.7	8.5
W	.7	2.9	5.9	3.0	.2		.1				12.8	8.9
WNW	.6	1.4	2.6	2.9	1.6	1.1					10.1	12.4
NW	.7	1.1	3.6	4.0	1.3	.9					11.7	11.9
NNW	.3	1.7	4.1	3.7	.7	.6	.2	.2			11.4	11.6
VARIABLE												
CALM	////////////////////										5.6	////
TOTALS	8.9	20.9	30.8	24.6	6.0	2.7	.4	.2			100.0	9.1

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS/LSIT: 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.6	2.0	2.6	1.8	.8	.1					7.8	9.5
NNE	.4	.7	.7	.8							2.2	8.5
NE	.1	.4	.3	.2							1.1	7.1
ENE	.3	.1	.6	.7							1.7	8.1
E	.7	.4	1.2	.9	.1						3.2	8.4
ESE	.3	.2	1.1	.8							2.4	9.4
SE	.6	.8	1.3	1.0							3.7	8.1
SSE	.2	1.2	2.3	2.4	.3	.1					6.7	9.9
S	.4	1.1	.9	2.0	.2	.2					4.9	10.2
SSW	.2	.8	1.3	1.0	.3						3.7	9.9
SW	.2	.2	1.7	1.4	.1						3.7	10.4
WSW	.4	.8	2.3	1.7	.2						5.4	9.3
W	1.4	3.2	3.6	4.0	.9	.1	.2				13.4	9.7
WNW	.4	1.6	2.8	2.8	1.8	.9	.1				10.3	12.5
NW	.4	1.1	4.1	4.7	2.2	.9	.2				13.7	13.1
NNW	.6	2.0	3.0	4.1	1.0	.7	.2	.1			11.7	12.0
VARIABLE												
CALM	////////////////////////////////////										4.4	////
TOTALS	7.4	16.3	29.8	30.1	8.0	3.0	.9	.1			100.0	10.1

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS (LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.8	3.6	2.3	1.6	1.0	.2					9.7	9.0
NNE	.2	.6	.7	.8							2.2	8.6
NE		.7	.7	.3							1.7	7.5
ENE		.4	.8	.2							1.4	8.2
E	.4	.7	1.4	1.8	.2						4.6	9.6
ESE	.2	1.2	1.3	.2							3.0	7.0
SE	.4	1.6	2.2	.9							5.1	7.8
SSE	.4	1.4	1.7	1.3							4.9	8.1
S	1.1	1.9	1.8	1.7	.2						6.7	8.2
SSW	.3	.6	1.3	.4	.2						2.9	9.1
SW	.6	.3	1.3	.2	.3						2.8	8.5
WSW	.4	2.6	2.6	1.1	.1						6.8	7.5
W	1.1	1.8	3.9	2.3	.4	.1					9.7	9.0
WNW	.3	2.0	1.6	2.4	1.4	.9					8.9	12.0
NW	.4	2.4	4.0	3.3	2.6	.7	.6				14.0	12.5
NNW	.2	1.4	3.7	4.1	.6	.3	.1				10.4	11.1
VARIABLE												
CALM	////////////////////										5.3	////
TOTALS	7.1	23.1	31.4	23.0	7.1	2.2	.7				100.0	9.1

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(151): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.9	3.2	2.2	.9	.8	.6					8.6	8.8
NNE	.8	.7	.8	.7	.3	.1					3.3	4.5
NE	.3	.7	.7	.2							1.9	6.6
ENE	.2	.6	.3		.1						1.2	6.5
E	.4	.6	1.8	.6							3.6	8.3
ESE	.6	1.8	1.4	.1							3.9	6.1
SE	1.4	1.9	1.0	1.1							5.4	6.3
SSE	1.0	1.9	2.3	.7							5.9	6.8
S	1.2	2.7	.7	.4	.1						5.1	5.8
SSW	.8	2.2	.8		.2						4.0	6.0
SW	.9	1.9	1.2	.4	.1						4.4	6.7
WSW	1.0	2.6	2.2	.4	.1						6.3	6.7
W	1.5	3.6	3.2	1.1	.2	.1	.2				10.7	7.6
WNW	1.2	2.2	3.1	1.9	.4	.1					9.0	8.5
NW	1.4	2.0	2.9	2.9	1.0	.7	.7				11.6	11.6
NNW	1.0	1.7	2.3	2.6	.7	.1	.1				8.4	9.9
VARIABLE												
CALM	////////////////////										7.3	////
TOTALS	14.7	30.0	27.0	14.2	4.1	1.7	1.0				100.0	7.5

TOTAL NUMBER OF OBSERVATIONS: 900

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.7	2.1	1.6	1.4	1.0	.3					7.1	10.2
NNE	.1	1.6	.6	.7							2.9	7.2
NE	.6	.9	.2	.1							1.8	4.9
ENE	.1	.2	.6								.9	6.4
E	.6	.7	.8	.6							2.6	7.1
ESE	.3	1.4	1.4	.9							4.1	7.9
SE	.6	1.6	1.3	.7							4.1	7.1
SSE	1.2	2.1	2.4	.7							6.4	6.4
S	1.0	2.2	1.7	.4	.2	.1					5.7	6.8
SSW	1.2	1.6	1.3	.3							4.4	5.2
SW	1.0	.8	1.9	.6							4.2	6.0
WSW	.8	3.4	3.1	.4	.1						7.9	6.7
W	2.2	3.4	3.3	1.7	.2	.2	.1				10.6	7.2
WNW	1.6	1.4	3.0	2.7	.8	.2					9.7	9.5
W	.8	2.0	3.2	3.8	1.2	.1	.6	.1			11.8	11.5
NNW	.6	1.6	2.2	3.3	.4	.1	.1				8.3	10.2
VARIABLE												
CALM	////////////////////////////////////										7.6	////
TOTALS	13.2	27.0	28.7	17.6	4.0	1.1	.6	.1			100.0	7.6

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINGI AFB ND

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(EST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.7	2.4	2.2	1.6	.6	.2	.0				7.9	4.3
NNE	.4	.8	.6	.7	.1	.0					2.7	8.0
NE	.3	.5	.5	.2							1.5	6.7
ENE	.1	.2	.5	.2	.0						1.0	7.4
E	.5	.7	1.1	.5	.0						3.0	7.6
ESE	.5	1.1	1.5	.5	.0						3.6	7.3
SE	.6	1.5	1.3	.7	.0						4.7	7.4
SSE	.8	2.0	1.8	1.0	.1	.0					5.7	7.3
S	1.1	2.0	1.3	1.1	.2	.1					5.7	7.4
SSW	.7	1.2	1.1	.4	.2	.1					3.7	7.3
SW	.6	1.2	1.4	.6	.1						3.9	7.5
WSW	.7	2.5	2.4	1.0	.1	.0					6.8	7.3
W	1.3	3.4	4.4	2.4	.4	.1	.1				12.0	6.4
WNW	.8	2.0	3.0	2.4	1.0	.5	.1				9.8	10.5
NW	.7	1.9	3.8	3.8	1.4	.5	.2	.0			12.3	11.6
NNW	.5	1.5	2.8	1.0	.7	.3	.2	.0			9.1	11.1
VARIABLE												
CALM	////////////////////										6.9	////
TOTALS	10.4	25.1	29.6	20.2	4.9	2.0	.6	.1			100.0	8.3

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(UT): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND SPEED
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.4	1.1	2.6	.8	.2	.1					5.2	8.4
NNE	.3	.1	.5	.4							1.4	8.4
NE	.2	.1	.1	.2							.6	7.2
ENE	.1	.1		.2							.5	10.7
E	.6	.2	1.2	.5							2.5	7.2
ESE	.4	.9	1.3	.8	.2	.1					3.7	8.4
SE	1.4	1.9	.6	.8	.1						4.8	7.1
SSE	1.2	1.9	1.2	.4							4.7	6.7
S	1.4	1.3	.4	.9							4.0	7.3
SSW	.4	1.1	.5	.5	.3						2.8	7.1
SW	.5	1.0	1.2	.3	.2						3.2	7.1
WSW	1.0	2.0	2.0	1.7	.2						7.9	8.1
W	1.7	3.4	4.4	3.1	.2	.2					13.0	8.6
WNW	.4	2.3	3.1	4.1	2.0	.4	.7	.1	.1		13.5	10.4
NW	.4	1.3	5.4	4.2	3.0	1.7	.1	.2			16.3	17.7
NNW	.3	1.4	2.0	1.9	1.1	.4	.2				7.4	13.9
VARIABLE												
CALM	////////////////////											7.1
TOTALS	11.7	21.2	26.7	21.6	7.7	3.3	.6	.3	.1		100.0	9.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(EST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.6	1.1	1.5	1.3	1.0	.3					6.4	10.2
NNE	.4	.5	.1	.3							1.4	6.3
NE	.2	.2	.1	.1	.1						.8	6.1
NNE	.1	.2	.1	.2							.6	6.2
E	1.0	1.0	.8	.6	.1						3.4	7.0
ESE	.2	1.2	1.2	.9	.3						3.6	9.2
SE	1.2	1.4	.8	.8	.1						4.2	6.8
ESE	.9	1.5	.6	.4							3.4	5.6
S	.4	1.6	1.5	.3	.4						4.3	7.5
SSW	.1	1.1	.8	.9	.2						3.0	6.8
SW	.5	1.0	.6	.3	.1						2.6	6.7
WSW	.6	1.5	2.0	1.9	.2						6.4	8.7
W	1.7	4.4	4.8	3.8	.5	.1					15.4	8.4
WNW	.6	2.9	2.0	3.6	1.9	1.7					12.3	11.0
NW	.4	2.6	5.7	4.7	2.6	1.4	.2				17.7	12.3
NNW	.4	1.4	1.7	1.3	1.1	.6		.1			6.8	11.8
VARIABLE												
CALM	////////////////////										7.6	////
TOTALS	9.6	24.1	24.4	21.6	8.7	3.5	.2	.1			100.0	9.0

TOTAL NUMBER OF OBSERVATIONS: 929



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(UTC): 0600-0600

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.5	1.1	1.3	1.7	.2						5.4	8.6
NNE	.1	.9	.1	.4							1.4	7.6
NE	.4	.5	.1		.2						1.3	6.3
ENE	.1	.3	.1								.5	5.6
E	.9	1.4	.9	.8	.3						4.2	7.5
ESE	.1	1.3	1.7	.3	.2						3.7	8.0
SE	.9	1.1	.5	.6							3.1	6.3
SSE	1.4	1.5	1.2		.1						4.2	5.5
S	1.1	1.3	1.4	.3	.2						4.3	6.6
SSW	.9	.8	.5	.8		.1					3.0	7.6
SW	.2	1.5	.5	1.0	.2						3.4	8.4
WSW	1.1	2.2	2.5	1.3	.3						7.8	8.1
W	1.4	4.0	3.5	3.9	1.1	.3					14.2	9.2
WNW	1.0	2.0	3.0	5.2	2.2	1.0	.1				14.4	12.1
NW	.9	1.4	4.3	4.7	2.8	.2	.5				15.9	12.7
NNW	.3	.6	1.4	2.4	.5	.4					5.7	11.7
VARIABLE												
CALM	////////////////////										7.4	////
TOTALS	11.1	22.8	23.1	23.9	8.4	2.7	.6				100.0	9.9

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.9	.6	1.4	1.0	.1							4.0	8.1
NNE	.6	.3		.5	.3							1.8	9.2
NE	.2	.3	.1									.6	4.0
ENE	.1	.9	.4	.1								1.5	6.4
E	.2	1.0	1.0	.6	.1							2.9	8.4
ESE	.2	1.0	1.5	.2	.2							3.1	7.9
SE	1.0	1.5	1.3	.4	.1							4.3	6.8
SSE	1.0	1.4	1.0	.3								3.7	5.8
S	.3	1.0	1.1	.9	.4							3.7	9.4
SSW	.6	.5	.8	.9	.1							2.9	7.7
SW	.6	1.7	1.1	1.0	.2							4.6	7.7
WSW	.9	2.0	2.9	1.9	.1							7.8	8.2
W	2.5	4.1	5.4	4.2	1.6	.2						18.0	9.3
WNW	.6	1.1	1.9	4.8	2.6	1.5	.5					13.1	14.7
NW	.6	.8	3.2	5.5	2.5	1.8	.4	.2				15.1	14.5
NNW	.3	.9	1.5	3.2	1.1	.1						7.0	12.0
VARIABLE													
CALM	////////////////////											5.9	////
TOTALS	10.8	18.9	24.5	25.6	9.5	3.7	1.0	2				100.0	9.8

TOTAL NUMBER OF OBSERVATIONS: 936

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS (LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-63	
N	.4	.5	1.9	1.8							4.7	8.8
NNE	.2	.4	.1	.2		.3					1.3	10.4
NE	.6	.3		.1							1.1	4.2
ENE		1.0	.3	.1							1.4	6.5
E	.1	.4	1.0	.1	.3						1.9	9.5
ESE	.3	1.4	2.2	.6	.1						4.6	7.9
SE	.5	.8	1.2	1.3	.2						4.0	9.1
SSE	.6	.8	.4	.4							2.3	6.5
S	.8	1.2	2.0	.9	.3						5.2	8.1
SSW	.6	1.4	1.2	1.0	.2	.1					4.5	8.9
SW	.5	1.1	.9	.9	.3						3.7	8.6
WSW	.6	.9	2.2	2.4	.3						6.3	9.6
W	.9	1.6	4.2	5.7	2.0	.2					14.6	11.4
WNW	.3	1.1	2.6	4.9	2.3	1.7	1.1	.1			14.3	15.5
NW	.3	1.8	3.0	6.1	4.1	3.1	.8	.1			19.4	15.3
NNW	.6	.4	1.2	1.9	1.1	.5					5.9	12.4
VARIABLE												
CALM	////////////////////											4.9
TOTALS	7.6	15.1	24.4	28.5	11.3	6.2	1.8	.2			100.0	11.1

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-P6  
MONTH: DEC HOURS (LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.0	1.2	1.4	1.5	.7						5.2	8.1
NNE	.5	.4	.2		.1	.1					1.4	6.6
NE	.4	.2	.3								1.0	4.3
ENE	.3	.6	.5	.1							1.6	6.3
E	.4	1.3	.8	.6	.2						3.3	7.6
ESE	.9	1.9	1.6	1.1							5.5	7.2
SE	.6	1.4	1.1	.5	.1						3.8	7.2
SSE	1.4	.6	.5	.4							3.0	5.4
S	.4	2.5	1.7	1.3							5.9	7.5
SSW	.3	.8	.4	.9	.1	.1					2.6	9.5
SW	.3	.8	1.3	1.3	.1						3.8	5.3
WSW	.9	1.7	1.3	1.2	.1						5.2	7.6
W	.5	1.8	4.0	5.1	.8	.3	.1				12.6	10.7
WNW	.4	1.9	4.1	4.3	2.2	1.4	.8				15.1	13.3
NW	.2	1.4	3.3	4.6	4.0	2.0	.9				16.5	15.1
NNW	.3	1.3	2.4	2.4	.6	.1					7.1	10.4
VARIABLE												
CALM	////////////////////											6.7
TOTALS	9.0	19.9	24.9	25.7	8.4	4.1	1.7				100.0	9.8

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS (LST): 1907-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.6	1.6	1.5	.8	.3						4.8	8.0
NNE	.1	.5	.1								.8	5.7
NE	.3	.2	.4								1.0	5.4
ENE	.1	1.7	.4	.6							2.9	6.8
E	.3	1.4	.9	.5							3.1	7.3
ESE	.8	1.5	1.9	1.0							5.2	7.6
SE	1.1	2.0	.9	.3							4.3	5.5
SSE	1.3	1.7	1.0	.4							4.4	5.8
S	.8	1.7	1.5	.8	.1						4.8	7.6
SSW	.5	.9	.3	.1	.1						1.9	6.1
SW	.5	1.3	1.0	.6	.1						3.8	7.9
WSW	1.1	1.9	1.7	1.5	.5						6.8	8.0
W	1.0	3.9	5.2	3.1	.6	.4					14.2	9.1
WNW	.8	1.9	4.0	3.7	1.4	1.5	.1				13.3	12.2
NW	1.2	1.7	3.0	6.1	2.5	2.5	.1				17.1	13.5
NNW	.2	1.0	1.3	2.0	.6	.2					5.4	11.7
VARIABLE												
CPLM	////////////////////										6.2	////
TOTALS	10.6	25.1	25.1	21.8	6.3	4.5	.2				100.0	9.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS (LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.4	1.9	1.5	1.1	.1	.1					5.2	8.2
NNE	.2	.5	.4	.4							1.6	7.9
NE	.2	.4	.3	.1							1.1	6.2
ENE	.1	.5	.6	.2							1.5	7.7
E	.3	.5	1.1	.6	.2						2.8	8.5
ESE	.8	.9	1.5	.8	.1						4.2	8.0
SE	.5	2.2	1.1	.2							4.3	5.9
SSE	1.3	2.4	1.6	.5							5.8	5.7
S	1.1	1.4	.3	.9	.1						3.8	6.7
SSW	.3	.9	.2	.4	.1	.2					2.0	9.3
SW	.6	.6	.5	.1	.2	.1					2.3	7.8
WSW	1.2	1.6	3.4	1.3							7.4	7.9
W	1.9	3.2	4.5	3.6	.9						14.1	8.5
WNW	1.7	2.2	2.2	6.7	2.2	1.1	.1	.1			15.4	12.6
NW	.2	1.9	4.1	5.3	3.1	1.6	.3				16.6	13.5
NNW	.3	1.1	2.7	1.5	.4	.1	.1				5.8	10.6
VARIABLE												
CALM	////////////////////										6.8	////
TOTALS	10.9	22.0	25.7	23.3	7.4	3.2	.5	.1			100.0	9.1

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(IST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.6	1.7	1.6	1.2	.3	.1					5.2	8.6
NNE	.3	.5	.2	.7	.1	.1					1.4	7.9
NE	.3	.3	.2	.1	.0						.9	5.7
ENE	.1	.7	.3	.2							1.3	6.9
E	.5	1.0	.9	.6	.2						3.1	7.8
ESE	.5	1.3	1.6	.7	.1	.0					4.2	8.0
SE	.9	1.5	.9	.6	.1						4.1	6.7
SSE	1.1	1.5	.9	.4	.0						3.9	5.7
S	.9	1.5	1.3	.8	.2						4.5	7.5
SSW	.5	.9	.6	.7	.1	.1					2.9	8.3
SW	.5	1.1	.9	.7	.2	.0					3.4	6.0
WSW	.9	1.7	2.3	1.7	.2						6.9	8.3
W	1.5	3.3	4.5	4.1	1.0	.2	.0				14.6	9.4
WNW	.7	1.9	2.9	4.6	2.1	1.3	.4	.0	.0		13.9	13.1
NW	.5	1.7	4.0	5.2	3.1	1.9	.4	.1			16.9	13.8
NNW	.4	1.0	1.7	2.1	.8	.3	.0	.0			6.4	11.6
VARIABLE												
CALM	////////////////////										6.6	////
TOTALS	10.1	21.1	24.9	24.0	8.5	3.9	.9	.1	.0		100.0	9.4

TOTAL NUMBER OF OBSERVATIONS: 7439

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-87  
MONTH: ALL HOURS(UT): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.0	2.1	2.5	1.9	.4	.1	.0	.0			8.0	8.7
NNE	.5	.9	.9	.6	.1	.7	.0				3.1	7.8
NE	.5	.0	.6	.3	.0	.0	.0				2.2	6.5
ENE	.4	.0	.7	.4	.0	.0	.7				2.4	7.1
E	.7	1.4	1.6	1.1	.1	.7	.0	.0			5.0	9.0
ESE	.7	1.6	1.9	1.2	.2	.1	.0				5.6	8.4
SE	1.0	2.0	1.7	1.1	.2	.1	.7				6.0	7.6
SSE	1.0	1.9	1.5	1.1	.2	.0	.0				5.7	7.6
S	1.1	1.8	1.6	1.3	.3	.0	.7				6.1	7.9
SSW	.6	1.0	.9	.6	.1	.0					3.4	7.7
SW	.6	1.1	1.0	.6	.1	.0	.7				3.4	7.4
WSW	.8	1.7	1.6	.9	.2	.0	.0	.0			5.2	7.7
W	1.3	2.8	2.9	2.2	.6	.2	.1	.0			10.1	8.8
WNW	.7	1.9	2.5	2.6	1.1	.6	.1	.7	.0		9.5	11.2
NW	.6	1.8	2.7	3.3	1.4	.6	.1	.0			10.7	11.7
NNW	.5	1.4	2.1	2.1	.7	.7	.0	.0			7.1	10.5
VARIABLE												
CALM	////////////////////										6.7	////
TOTALS	12.1	25.0	26.7	21.2	5.7	2.1	.4	.1	.0		100.0	8.3

TOTAL NUMBER OF OBSERVATIONS: 67540



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-87  
MONTH: ALL HOURS(LEST): ALL

CEILINGS 200 TO 1400 FEET WITH VISIBILITIES 1/2 MILE OR MORE  
AND/OR  
CEILINGS 200 FEET OR MORE WITH VISIBILITIES 1/2 TO 2-1/2 MILES

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.9	2.8	5.2	6.1	1.7	.5	.0				17.2	10.9
NNE	.6	1.6	2.4	2.1	.5	.2	.0				7.5	9.8
NE	.4	1.1	1.7	.9	.2	.7					4.3	8.5
ENE	.4	1.2	1.9	1.4	.1	.1	.0				5.1	9.1
E	.6	1.7	3.9	3.2	.5	.1	.0	.0			10.0	9.4
ESE	.4	1.4	3.0	2.6	.6	.3	.0				9.5	10.6
SE	.5	1.2	1.8	1.7	.3	.1	.1				5.7	9.6
SSE	.4	1.0	1.4	1.2	.2						4.2	8.8
S	.3	.5	1.2	.6	.1	.7					2.6	8.6
SSW	.1	.4	.3	.2							1.0	7.0
SW	.2	.3	.2	.1		.0					.8	6.8
WSW	.1	.7	.3	.1	.1	.7					1.0	8.2
W	.4	.7	.5	.3	.1	.2	.0	.0			2.3	9.5
WNW	.2	.7	.8	.9	1.0	.7	.1	.1			4.4	14.3
NW	.3	1.1	2.3	3.0	2.1	1.7	.3	.0			10.9	14.7
NNW	.3	1.4	2.5	3.6	1.6	.8	.2				10.5	12.7
VARIABLE												
CALM	////////////////////										4.0	////
TOTALS	6.0	17.4	29.4	28.1	9.3	4.7	.8	.2			100.0	10.5

TOTAL NUMBER OF OBSERVATIONS: 9558

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## CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

### CEILING VERSUS VISIBILITY SUMMARY

THIS SUMMARY IS A BIVARIATE FREQUENCY DISTRIBUTION BY CLASSES OF CEILING FROM "00" THROUGH EQUAL TO OR GREATER THAN 25,000 FEET AND AS A SEPARATE CLASS "NO CEILING", VERSUS VISIBILITY IN 16 CLASSES FROM ZERO THROUGH EQUAL TO OR GREATER THAN 17 MILES.

DATA DERIVED FROM HOURLY OBSERVATIONS.

FREQUENCY DISTRIBUTION PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

#### NOTES:

BEGINNING IN 1966, METAR STATIONS REPORTED VISIBILITIES TO 6 MILES AND GREATER THAN 6 MILES. THEREFORE THE COLUMN FOR VISIBILITIES EQUAL TO OR GREATER THAN 10 MILES APPEAR BLANK.

AS A RULE, AIRWAYS STATIONS NORMALLY REPORT VISIBILITIES TO 6 MILES AND 7 OR GREATER, HOWEVER SOME STATIONS REPORT HIGHER VALUES. THEREFORE, THE 10 MILE VISIBILITY COLUMN SOMETIMES CONTAIN SMALL PERCENTAGE VALUES. HOWEVER, THESE VALUES ARE OF LITTLE MEANING AND SHOULD BE DISREGARDED.

FOR METAR CIVILIAN STATIONS REPORTING "CAVOK", ALL CEILINGS ABOVE 5000 FEET WERE SUPPRESSED TO 5000 FEET. THEREFORE, NO PERCENT VALUES APPEAR ABOVE 5000 FEET.

### SKY COVER SUMMARY

PRESENTS PERCENTAGES OF SKY COVER IN EITHER 10THS OF COVERAGE OR "AIRWAYS CLASSIFICATIONS".

DATA SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

ALSO PRESENTED ARE MEAN SKY COVERS.

FOR AIRWAY STATIONS, THE CONVERSION FROM THE AIRWAYS DESIGNATIONS TO 10THS FOR PRESENTATION ARE:

CLEAR	-	0/10
SCATTERED	-	3/10
BROKEN	-	5/10
OVERCAST	-	10/10
DISCURED	-	10/10

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(LST): 0000-0200

CEILING		VISIBILITY IN STATUTE MILES																	
IN	FEET	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0		
NO CEIL	1	51.1	52.3	52.6	53.4	53.9	54.0	54.1	54.1	54.1	54.6	54.8	54.8	55.1	55.2	55.2	55.2		
GE 20000	1	53.9	55.1	55.4	56.2	56.7	56.8	56.9	56.9	56.9	57.4	57.6	57.6	57.8	58.0	58.0	58.0		
GE 18000	1	53.9	55.1	55.4	56.2	56.7	56.8	56.9	56.9	56.9	57.4	57.6	57.6	57.8	58.0	58.0	58.0		
GE 16000	1	53.9	55.1	55.4	56.2	56.7	56.8	56.9	56.9	56.9	57.4	57.6	57.6	57.8	58.0	58.0	58.0		
GE 14000	1	54.1	55.3	55.6	56.5	57.0	57.1	57.2	57.2	57.2	57.7	58.0	58.0	58.2	58.3	58.3	58.3		
GE 12000	1	54.8	56.0	56.3	57.2	57.7	57.6	58.0	58.0	58.0	58.5	58.7	58.7	58.9	59.0	59.0	59.0		
GE 10000	1	57.8	59.0	59.4	60.2	60.8	60.9	61.0	61.0	61.7	61.5	61.7	61.7	61.9	62.0	62.0	62.0		
GE 9000	1	58.6	59.8	60.1	61.0	61.5	61.6	61.7	61.7	61.7	62.3	62.5	62.5	62.7	62.8	62.8	62.8		
GE 8000	1	61.4	62.6	62.9	63.8	64.3	64.4	64.5	64.5	64.5	65.1	65.3	65.3	65.5	65.6	65.6	65.6		
GE 7000	1	62.5	63.7	64.0	64.8	65.4	65.5	65.6	65.6	65.6	66.1	66.3	66.3	66.6	66.7	66.7	66.7		
GE 6000	1	63.0	64.6	65.2	66.0	66.7	66.8	66.9	66.9	66.9	67.4	67.6	67.6	67.9	68.0	68.0	68.0		
GE 5000	1	64.5	66.3	66.9	67.7	68.4	68.5	68.6	68.6	68.6	69.1	69.4	69.4	69.6	69.7	69.7	69.7		
GE 4500	1	65.9	68.1	68.9	69.8	70.4	70.6	70.8	70.8	70.9	71.3	71.5	71.5	71.7	71.8	71.8	71.8		
GE 4000	1	66.6	69.0	70.2	71.2	71.9	72.2	72.3	72.3	72.3	72.9	73.1	73.1	73.3	73.4	73.4	73.4		
GE 3500	1	67.5	70.0	71.2	72.2	73.0	73.2	73.3	73.3	73.3	74.0	74.2	74.2	74.4	74.5	74.5	74.5		
GE 3000	1	68.7	71.2	72.5	73.5	74.4	74.6	74.8	74.8	74.8	75.5	75.8	75.8	76.0	76.1	76.1	76.1		
GE 2500	1	71.1	73.7	75.1	76.1	77.2	77.4	77.6	77.7	77.7	78.4	78.7	78.7	78.9	79.0	79.0	79.0		
GE 2000	1	72.6	75.9	77.3	78.5	79.8	80.1	80.4	80.5	80.5	81.2	81.6	81.6	81.8	81.9	81.9	81.9		
GE 1800	1	73.0	76.6	78.0	79.2	80.5	80.9	81.3	81.4	81.4	82.0	82.5	82.5	82.7	82.8	82.8	82.8		
GE 1500	1	74.5	78.9	80.3	81.6	82.9	83.3	83.9	84.1	84.1	84.8	85.3	85.3	85.5	85.6	85.6	85.6		
GE 1200	1	76.5	81.2	82.6	83.9	85.6	86.0	86.6	86.9	86.9	87.8	88.3	88.4	88.7	88.8	88.8	88.8		
GE 1000	1	78.6	83.7	85.1	86.3	88.4	88.6	89.7	90.0	90.0	91.1	91.5	91.6	91.9	92.0	92.2	92.2		
GE 900	1	79.0	84.4	85.9	87.2	89.2	89.7	90.5	90.9	90.9	91.9	92.4	92.6	93.0	93.1	93.2	93.5		
GE 800	1	79.1	84.7	86.2	87.5	89.7	90.1	91.0	91.5	91.5	92.6	93.2	93.5	94.0	94.2	94.3	94.6		
GE 700	1	79.2	85.3	86.8	88.2	90.3	90.9	91.7	92.3	92.3	93.3	94.0	94.3	94.7	94.9	95.1	95.4		
GE 600	1	79.5	85.5	87.0	88.4	90.5	91.1	91.9	92.5	92.5	93.7	94.4	94.7	95.2	95.4	95.5	95.8		
GE 500	1	79.7	86.2	87.7	89.1	91.6	92.2	93.0	93.5	93.5	95.2	95.9	96.2	96.9	97.1	97.2	97.5		
GE 400	1	79.7	86.2	87.7	89.2	91.7	92.4	93.2	93.8	93.8	95.4	96.1	96.3	96.7	97.3	97.5	97.6		
GE 300	1	79.7	86.5	88.1	89.6	92.4	93.0	94.0	94.5	94.5	96.1	97.1	97.4	98.2	98.4	98.5	98.8		
GE 200	1	79.7	86.5	88.1	89.6	92.4	93.0	94.0	94.6	94.6	96.2	97.3	97.6	98.4	98.7	99.0	99.8		
GE 100	1	79.7	86.5	88.1	89.6	92.4	93.0	94.0	94.6	94.6	96.2	97.4	97.7	98.6	98.9	99.2	100.0		
GE	0	79.7	86.5	88.1	89.6	92.4	93.0	94.0	94.6	94.6	96.2	97.4	97.7	98.6	98.9	99.2	100.0		

TOTAL NUMBER OF OBSERVATIONS: 730

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 74-87  
MONTH: JAN HOURS/EST: 0100-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1	GE 1	GE 2	GE 3	GE 4	GE 5	GE 6	GE 7	GE 8	GE 9	GE 10	GE 11	GE 12	GE 13	GE 14	GE 15
NO CEIL	51.9	54.1	54.6	55.3	55.5	55.8	55.9	55.9	55.9	55.9	56.1	56.2	56.2	56.2	56.2	56.2
GE 20000	53.2	55.4	55.9	56.6	56.8	56.9	57.2	57.2	57.2	57.2	57.4	57.5	57.5	57.5	57.5	57.5
GE 18000	53.3	55.5	56.0	56.7	56.9	57.0	57.3	57.3	57.3	57.3	57.5	57.6	57.6	57.6	57.6	57.6
GE 16000	53.3	55.5	56.0	56.7	56.9	57.0	57.3	57.3	57.3	57.3	57.5	57.6	57.6	57.6	57.6	57.6
GE 14000	53.3	55.5	56.0	56.7	56.9	57.0	57.3	57.3	57.3	57.3	57.5	57.6	57.6	57.6	57.6	57.6
GE 12000	54.5	56.7	57.2	57.8	58.1	58.2	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
GE 10000	57.3	59.5	60.0	60.6	60.9	61.0	61.3	61.3	61.3	61.3	61.5	61.6	61.6	61.6	61.6	61.6
GE 9000	58.3	60.5	61.1	61.7	61.9	62.0	62.4	62.4	62.4	62.4	62.6	62.7	62.7	62.7	62.7	62.7
GE 8000	59.7	61.9	62.5	63.1	63.4	63.5	64.0	64.0	64.0	64.0	64.2	64.3	64.3	64.3	64.3	64.3
GE 7000	60.9	63.1	63.7	64.4	64.7	64.8	65.3	65.3	65.3	65.3	65.5	65.6	65.6	65.6	65.6	65.6
GE 6000	61.8	64.1	64.6	65.4	65.7	65.8	66.2	66.2	66.2	66.2	66.4	66.5	66.5	66.5	66.5	66.5
GE 5000	63.5	66.3	66.9	67.6	68.0	68.1	68.6	68.6	68.6	68.6	68.8	68.9	68.9	68.9	68.9	68.9
GE 4500	64.9	67.5	68.1	68.8	69.1	69.5	70.0	70.0	70.0	70.0	70.2	70.3	70.3	70.3	70.3	70.3
GE 4000	65.3	68.2	68.8	69.6	70.2	70.5	71.1	71.1	71.1	71.1	71.3	71.4	71.4	71.4	71.4	71.4
GE 3500	66.3	69.7	70.3	71.1	71.8	72.2	72.7	72.7	72.7	72.7	72.9	73.0	73.0	73.0	73.0	73.0
GE 3000	67.8	71.4	72.2	73.0	73.9	74.2	74.8	74.8	74.8	74.8	75.1	75.2	75.2	75.2	75.2	75.2
GE 2500	69.7	73.8	74.5	75.4	76.3	76.7	77.3	77.3	77.3	77.3	77.5	77.6	77.6	77.6	77.6	77.6
GE 2000	72.0	76.8	77.7	78.8	80.3	80.6	81.3	81.3	81.3	81.3	81.6	81.7	81.7	81.7	81.7	81.7
GE 1800	72.5	77.6	78.6	79.8	81.4	81.7	82.4	82.4	82.4	82.4	82.7	82.8	82.8	82.8	82.8	82.8
GE 1500	73.7	79.0	80.0	81.2	82.9	83.2	83.9	84.0	84.0	84.0	84.3	84.4	84.4	84.4	84.4	84.4
GE 1200	74.8	80.6	81.6	82.8	85.2	85.5	86.1	86.3	86.3	86.3	86.7	86.9	86.9	86.9	86.9	86.9
GE 1000	76.1	82.2	83.2	84.4	87.4	87.7	88.4	89.0	89.0	89.0	89.3	89.7	89.7	89.7	89.7	89.7
GE 900	76.7	83.4	84.6	85.8	88.8	89.1	89.8	90.5	90.5	90.5	90.9	91.3	91.3	91.3	91.3	91.3
GE 800	77.3	84.2	85.5	86.7	89.8	90.1	90.8	91.8	91.8	91.8	92.4	92.8	92.8	92.8	92.8	92.8
GE 700	77.5	84.5	85.9	87.1	90.2	90.5	91.2	92.4	92.4	92.4	93.1	93.6	93.6	93.6	93.6	93.6
GE 600	77.8	84.9	86.3	87.6	91.1	91.5	92.2	93.4	93.4	93.4	94.2	94.6	94.6	94.6	94.6	94.6
GE 500	78.1	85.4	86.8	88.1	91.6	92.2	92.8	94.1	94.1	94.1	94.8	95.4	95.4	95.4	95.4	95.4
GE 400	78.2	86.0	87.5	88.8	92.8	93.3	94.1	95.4	95.4	95.4	96.1	96.8	96.8	96.8	96.8	96.8
GE 300	78.2	86.3	87.8	89.1	93.1	93.7	94.4	95.7	95.7	95.7	96.9	97.5	97.5	97.5	97.5	97.5
GE 200	78.2	86.3	87.8	89.1	93.1	93.7	94.4	95.7	95.7	95.7	96.9	97.5	97.5	97.5	97.5	97.5
GE 100	78.2	86.3	87.8	89.1	93.1	93.7	94.4	95.7	95.7	95.7	96.9	97.5	97.5	97.5	97.5	97.5

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(EST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16
40 CEIL	47.7	49.8	50.5	50.9	52.4	52.4	52.4	52.9	52.9	53.1	53.1	53.1	53.1	53.1	53.1	53.3
GE 20000	49.0	51.9	52.7	53.1	54.6	54.6	54.6	55.2	55.2	55.4	55.4	55.4	55.4	55.4	55.4	55.6
GE 18000	49.1	52.0	52.8	53.2	54.7	54.7	54.7	55.3	55.3	55.5	55.5	55.5	55.5	55.5	55.5	55.7
GE 16000	49.1	52.0	52.8	53.2	54.7	54.7	54.7	55.3	55.3	55.5	55.5	55.5	55.5	55.5	55.5	55.7
GE 14000	49.1	52.0	52.8	53.2	54.7	54.7	54.7	55.3	55.3	55.5	55.5	55.5	55.5	55.5	55.5	55.7
GE 12000	49.6	52.5	53.2	53.7	55.2	55.2	55.2	55.7	55.7	55.9	55.9	55.9	55.9	55.9	55.9	56.1
GE 10000	57.0	55.9	56.7	57.1	58.6	58.6	58.6	59.1	59.1	59.4	59.4	59.4	59.4	59.4	59.4	59.6
GE 9000	54.2	57.2	58.1	58.5	60.0	60.0	60.0	60.5	60.5	60.8	60.8	60.8	60.8	60.8	60.8	61.0
GE 8000	56.0	59.1	60.0	60.4	61.9	61.9	61.9	62.5	62.5	62.7	62.7	62.7	62.7	62.7	62.7	62.9
GE 7000	56.8	60.0	60.9	61.4	62.9	62.9	62.9	63.4	63.4	63.8	63.8	63.8	63.8	63.8	63.8	64.0
GE 6000	57.6	61.0	61.8	62.4	63.9	63.9	63.9	64.4	64.4	64.7	64.7	64.7	64.7	64.7	64.7	64.9
GE 5000	59.0	62.9	64.0	64.7	66.3	66.3	66.3	67.2	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.7
GE 4500	60.6	64.7	65.8	66.2	68.3	68.3	68.3	69.2	69.2	69.6	69.6	69.6	69.6	69.6	69.6	69.8
GE 4000	61.3	65.6	66.7	67.5	69.7	69.7	69.7	70.6	70.6	71.0	71.0	71.0	71.0	71.0	71.0	71.2
GE 3500	62.2	66.5	67.6	68.5	70.6	70.6	70.6	71.7	71.7	72.2	72.2	72.2	72.2	72.2	72.2	72.4
GE 3000	63.3	67.6	68.9	70.1	72.3	72.3	72.3	73.5	73.5	74.0	74.0	74.0	74.0	74.0	74.0	74.2
GE 2500	64.4	69.1	71.0	72.3	74.6	74.6	74.6	75.7	75.7	76.2	76.2	76.2	76.2	76.2	76.2	76.7
GE 2000	66.5	71.9	74.0	75.3	77.8	77.8	77.8	79.6	79.6	80.1	80.1	80.1	80.1	80.1	80.1	80.3
GE 1800	66.6	72.4	74.4	75.7	78.3	78.3	78.3	79.1	79.1	80.1	80.1	80.1	80.1	80.1	80.1	81.1
GE 1500	68.6	74.3	76.5	77.7	80.4	80.4	80.4	82.7	82.7	83.2	83.2	83.2	83.2	83.2	83.2	83.4
GE 1200	70.8	76.7	78.8	80.1	83.2	83.2	83.2	84.5	84.5	86.0	86.0	86.0	86.0	86.0	86.0	87.0
GE 1000	72.3	78.7	81.2	82.5	85.9	85.9	85.9	87.2	87.2	89.0	89.0	89.0	89.0	89.0	89.0	90.2
GE 900	72.8	79.4	82.2	83.7	87.1	87.1	87.1	88.4	88.4	90.2	90.2	91.0	91.0	91.0	91.0	91.6
GE 800	72.9	79.5	82.3	84.0	87.4	87.4	87.4	88.8	88.8	90.8	90.8	91.6	91.6	91.6	91.6	92.4
GE 700	73.2	80.0	82.8	84.5	88.0	88.0	88.0	89.4	89.4	91.5	91.5	92.4	92.4	92.4	92.4	93.3
GE 600	73.4	80.4	83.2	84.9	88.4	88.4	88.4	89.8	89.8	91.9	91.9	92.9	92.9	92.9	92.9	94.1
GE 500	74.1	81.3	84.1	85.9	89.5	89.5	89.5	91.1	91.1	93.7	93.7	94.6	94.6	94.6	94.6	95.9
GE 400	74.4	81.9	84.6	86.4	90.4	90.4	90.4	92.1	92.1	94.8	94.8	96.0	96.0	96.0	96.0	97.7
GE 300	74.4	82.0	84.9	86.9	90.5	90.5	90.5	92.4	92.4	94.9	94.9	96.2	96.2	96.2	96.2	98.5
GE 200	74.4	82.0	85.1	87.1	90.6	90.6	90.6	92.7	92.7	95.1	95.1	96.6	96.6	96.6	96.6	99.4
GE 100	74.4	82.2	85.1	87.1	90.6	90.6	90.6	92.7	92.7	95.1	95.1	96.6	96.6	96.6	96.6	100.0
GE 01	74.4	82.2	85.1	87.1	90.6	90.6	90.6	92.7	92.7	95.1	95.1	96.6	96.6	96.6	96.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 570

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS (LST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1	5/8	1	5/8	1	5/8	1	5/8	1	5/8	1	5/8	1	5/8	1	5/8
NO CEIL	46.7	48.1	49.8	50.4	51.8	52.0	52.5	53.3	53.4	54.1	54.2	54.2	54.2	54.3	54.4	54.4
GE 20000	48.3	50.5	52.3	53.0	54.5	54.7	55.2	56.0	56.1	56.9	57.7	57.0	57.7	57.1	57.2	57.6
GE 18000	48.5	50.8	52.5	53.2	54.7	54.9	55.4	56.2	56.3	57.1	57.2	57.2	57.2	57.3	57.4	57.8
GE 16000	48.5	50.8	52.5	53.2	54.7	54.9	55.4	56.2	56.3	57.1	57.2	57.2	57.2	57.3	57.4	57.8
GE 14000	48.6	50.9	52.6	53.3	54.8	55.1	55.5	56.3	56.5	57.2	57.3	57.3	57.3	57.4	57.5	58.0
GE 12000	49.7	51.9	53.7	54.4	55.9	56.1	56.7	57.5	57.6	58.4	58.4	58.5	58.5	58.6	58.7	59.1
GE 10000	52.9	55.4	57.1	58.1	59.6	59.8	60.3	61.3	61.4	62.2	62.3	62.3	62.3	62.4	62.5	62.9
GE 9000	54.6	57.1	58.8	59.8	61.5	61.7	62.3	63.2	63.3	64.1	64.2	64.2	64.2	64.3	64.4	64.6
GE 8000	57.8	60.5	62.5	63.5	65.4	65.6	66.1	67.1	67.2	68.1	68.1	68.1	68.3	68.5	68.6	69.0
GE 7000	59.1	61.9	63.9	64.9	66.8	67.0	67.5	68.5	68.6	69.5	69.5	69.7	69.7	69.9	70.0	70.4
GE 6000	59.6	62.4	64.3	65.5	67.3	67.5	68.1	69.0	69.1	70.0	70.0	70.2	70.2	70.4	70.5	71.0
GE 5000	60.4	63.5	65.6	66.9	68.8	69.0	69.7	70.6	70.8	71.7	71.9	71.9	71.9	72.2	72.3	72.7
GE 4500	61.7	64.8	66.9	68.2	70.2	70.4	71.2	72.3	72.4	73.3	73.5	73.5	73.5	73.8	73.9	74.3
GE 4000	62.4	65.5	67.5	68.6	71.0	71.3	72.0	73.3	73.5	74.6	74.9	74.9	74.9	75.2	75.3	75.7
GE 3500	63.3	66.5	68.6	70.0	72.4	72.7	73.4	74.7	75.1	76.1	76.5	76.5	76.5	76.7	76.8	77.2
GE 3000	63.9	67.5	70.0	71.4	73.9	74.2	75.3	76.7	77.0	78.1	78.5	78.5	78.5	78.7	78.8	79.2
GE 2500	64.8	68.9	71.6	73.1	75.7	76.0	77.1	78.5	78.9	80.0	80.4	80.4	80.4	80.6	80.8	81.2
GE 2000	66.1	70.6	73.4	74.9	77.6	78.0	79.6	81.1	81.5	82.9	83.3	83.3	83.4	83.8	83.9	84.3
GE 1800	66.7	70.9	73.8	75.5	78.6	78.9	80.9	82.4	82.8	84.3	84.7	84.8	84.9	85.3	85.4	85.8
GE 1500	67.6	72.3	75.2	77.0	80.2	80.5	82.5	84.3	84.7	86.6	87.1	87.1	87.3	87.6	87.7	88.3
GE 1200	68.3	73.4	76.5	78.4	81.7	82.2	84.2	86.0	86.5	88.5	89.0	89.0	89.6	89.9	90.0	90.5
GE 1000	68.9	74.7	77.8	79.8	83.7	84.1	86.1	88.0	88.4	90.6	91.5	91.6	92.3	92.6	92.8	93.3
GE 900	69.2	75.6	78.7	80.8	84.6	85.1	87.1	89.0	89.6	91.9	92.7	92.8	93.5	93.9	94.1	94.6
GE 800	69.5	75.9	79.2	81.3	85.2	85.6	87.6	89.6	90.1	92.5	93.0	93.4	94.2	94.5	94.7	95.3
GE 700	69.8	76.2	79.6	81.6	85.5	85.9	88.1	90.0	90.5	92.9	93.7	93.9	94.6	94.9	95.2	95.7
GE 600	69.9	76.3	79.7	81.8	86.0	86.5	88.7	90.8	91.3	93.5	94.7	94.9	95.7	96.0	96.2	96.8
GE 500	70.2	76.8	80.1	82.4	86.6	87.0	89.4	91.4	91.9	94.8	95.7	95.9	96.7	97.0	97.2	97.8
GE 400	70.2	76.8	80.2	82.8	87.3	87.7	90.1	92.2	92.7	95.6	96.5	96.7	97.4	97.8	98.1	98.6
GE 300	70.2	76.8	80.2	82.8	87.3	87.7	90.2	92.3	92.9	95.7	96.6	96.8	97.5	98.3	98.5	99.2
GE 200	70.2	76.8	80.2	82.8	87.3	87.7	90.2	92.3	92.9	95.7	96.6	96.8	97.5	98.3	98.5	99.2
GE 100	70.2	76.8	80.2	82.8	87.3	87.7	90.2	92.3	92.9	95.7	96.6	96.8	97.5	98.3	98.5	99.2
GE 0	70.2	76.8	80.2	82.8	87.3	87.7	90.2	92.3	92.9	95.7	96.6	96.8	97.5	98.3	98.5	99.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINGT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: JAN, HOURS(EST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1	GE 1 1/4	GE 1	GE 7/4	GE 5/4	GE 1/2	GE 5/16	GE 1/4
NO CEIL	45.9	49.2	50.1	50.6	51.9	51.9	52.6	53.7	54.0	54.4	54.6	54.7	54.7	54.8	54.9	54.9
GE 20000	50.4	53.8	54.7	55.4	56.7	56.7	57.3	58.6	59.0	59.5	59.8	59.9	59.9	60.0	60.1	60.2
GE 18000	50.4	53.8	54.7	55.4	56.7	56.7	57.3	58.6	59.0	59.5	59.8	59.9	59.9	60.0	60.1	60.2
GE 16000	50.4	53.8	54.7	55.4	56.7	56.7	57.3	58.6	59.0	59.5	59.8	59.9	59.9	60.0	60.1	60.2
GE 14000	50.5	53.9	54.9	55.5	56.9	56.9	57.5	58.8	59.2	59.8	60.1	60.2	60.2	60.3	60.4	60.5
GE 12000	51.2	54.5	55.5	56.1	57.5	57.5	58.3	59.6	60.2	60.6	61.1	61.2	61.2	61.3	61.4	61.5
GE 10000	54.5	58.7	59.7	60.4	61.8	61.8	62.7	64.0	64.6	65.3	65.6	65.7	65.7	65.8	65.9	66.0
GE 9000	55.9	60.0	61.0	61.7	63.1	63.1	64.0	65.4	66.0	66.7	67.0	67.1	67.1	67.2	67.3	67.4
GE 8000	59.5	63.7	64.6	65.5	67.2	67.3	68.2	69.6	70.2	71.1	71.5	71.6	71.6	71.7	71.9	72.0
GE 7000	59.7	64.8	65.8	66.7	68.4	68.5	69.4	70.9	71.4	72.3	72.7	72.9	72.9	72.9	73.1	73.2
GE 6000	60.1	65.3	66.3	67.3	69.1	69.2	70.1	71.5	72.2	73.0	73.4	73.5	73.5	73.7	73.9	74.0
GE 5000	61.2	66.7	68.0	69.2	71.4	71.6	72.5	73.9	74.6	75.5	75.9	76.0	76.0	76.1	76.3	76.5
GE 4500	61.6	67.2	68.6	70.2	72.9	73.0	73.9	75.4	76.1	77.0	77.4	77.5	77.5	77.6	77.8	78.0
GE 4000	62.5	68.3	69.7	71.3	74.1	74.4	75.3	77.5	78.3	79.2	79.7	79.8	79.9	79.9	80.1	80.2
GE 3500	62.8	68.9	70.5	72.3	75.4	75.7	76.6	78.8	79.6	80.5	81.0	81.1	81.1	81.2	81.4	81.5
GE 3000	63.2	69.8	71.6	73.3	76.6	76.9	77.7	80.3	81.1	82.0	82.5	82.6	82.6	82.7	83.0	83.2
GE 2500	63.8	70.9	72.9	74.7	78.4	78.7	79.6	82.3	83.0	84.0	84.4	84.5	84.5	84.6	84.9	85.2
GE 2000	65.2	72.5	74.5	76.6	80.3	80.6	81.7	84.4	85.2	86.3	86.8	86.9	86.9	87.1	87.6	87.8
GE 1800	65.3	72.7	74.7	76.9	80.6	81.1	82.0	84.6	85.6	86.9	87.4	87.5	87.5	87.7	88.3	88.5
GE 1500	66.1	73.7	75.7	78.2	82.0	82.5	83.5	86.3	87.1	88.5	89.1	89.2	89.2	89.5	90.0	90.2
GE 1200	67.1	75.1	77.4	79.7	83.9	84.2	85.4	88.5	89.4	91.0	91.6	91.7	91.9	92.0	92.6	92.8
GE 1000	68.3	76.2	78.6	80.9	84.9	85.4	86.6	89.7	90.5	92.3	93.2	93.4	93.9	94.2	94.7	94.9
GE 900	68.3	76.2	78.6	80.9	85.1	85.5	86.8	89.9	90.8	92.6	93.7	93.9	94.3	94.6	95.2	95.4
GE 800	68.6	76.6	79.0	81.4	85.6	86.0	87.3	90.4	91.3	93.1	94.5	94.5	94.9	95.3	95.8	96.0
GE 700	68.7	76.9	79.4	81.8	86.1	86.6	87.9	91.0	91.9	93.7	94.8	95.1	95.5	95.8	96.5	96.7
GE 600	69.1	77.4	79.9	82.5	86.9	87.3	88.7	91.9	92.9	94.9	96.2	96.5	96.9	97.2	97.8	98.2
GE 500	69.1	77.7	80.2	82.9	87.4	87.8	89.4	92.6	93.5	95.7	97.2	97.4	97.8	98.2	98.8	99.1
GE 400	69.1	77.7	80.3	83.0	87.5	88.0	89.5	92.7	93.7	95.8	97.3	97.5	98.0	98.3	98.9	99.2
GE 300	69.1	77.7	80.3	83.0	87.6	88.1	89.6	92.8	93.9	96.0	97.6	97.8	98.3	98.7	99.4	99.8
GE 200	69.1	77.7	80.3	83.0	87.6	88.1	89.6	92.8	93.9	96.1	97.7	98.0	98.5	98.9	99.6	100.0
GE 100	69.1	77.7	80.3	83.0	87.6	88.1	89.6	92.8	93.9	96.1	97.7	98.0	98.5	98.9	99.6	100.0
GE 0	69.1	77.7	80.3	83.0	87.6	88.1	89.6	92.8	93.9	96.1	97.7	98.0	98.5	98.9	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS (LST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	47.0	48.7	49.4	49.8	51.3	51.3	51.7	52.2	52.3	52.7	52.9	52.9	53.1	53.1	53.2	53.2
GE 20000	51.8	53.8	54.4	54.8	56.3	56.5	56.9	57.3	57.4	58.0	58.2	58.3	58.5	58.5	58.6	58.6
GE 18000	51.8	53.9	54.5	54.9	56.6	56.6	57.0	57.4	57.5	58.1	58.4	58.4	58.6	58.6	58.7	58.7
GE 16000	51.8	53.9	54.5	54.9	56.6	56.6	57.0	57.4	57.5	58.1	58.4	58.4	58.6	58.6	58.7	58.7
GE 14000	52.2	54.2	54.8	55.3	56.9	56.9	57.3	57.7	57.8	58.4	58.7	58.7	58.9	58.9	59.0	59.0
GE 12000	52.9	55.1	55.9	56.3	58.1	58.1	58.5	58.9	59.0	59.6	59.9	59.9	60.1	60.1	60.2	60.2
GE 10000	57.3	59.5	60.3	60.8	62.5	62.6	63.0	63.4	63.5	64.1	64.4	64.4	64.6	64.6	64.7	64.7
GE 9000	58.3	60.4	61.3	61.7	63.4	63.5	64.0	64.4	64.5	65.1	65.4	65.4	65.6	65.6	65.7	65.7
GE 8000	61.0	63.7	64.7	65.2	67.1	67.2	67.6	68.1	68.2	68.7	69.0	69.0	69.2	69.2	69.4	69.4
GE 7000	62.2	65.1	66.1	66.6	68.7	68.9	69.4	69.8	69.9	70.5	70.9	70.9	71.1	71.1	71.2	71.2
GE 6000	62.6	65.7	66.8	67.2	69.4	69.6	70.1	70.5	70.6	71.3	71.6	71.6	71.8	71.8	71.9	71.9
GE 5000	63.2	66.3	67.4	68.1	70.6	71.0	71.6	72.0	72.3	72.9	73.2	73.2	73.4	73.4	73.5	73.5
GE 4500	63.8	67.4	68.6	69.2	72.2	72.5	73.1	73.5	73.9	74.4	74.7	74.7	74.9	74.9	75.1	75.1
GE 4000	65.1	69.9	70.5	71.6	74.5	74.8	75.7	76.1	76.3	77.0	77.3	77.3	77.5	77.5	77.6	77.6
GE 3500	65.6	69.9	71.6	72.8	75.7	76.0	76.9	77.3	77.5	78.2	78.5	78.5	78.7	78.7	78.8	78.8
GE 3000	66.2	71.3	73.1	74.3	77.4	77.7	78.6	79.2	79.5	80.3	80.6	80.6	81.0	81.0	81.2	81.3
GE 2500	66.9	72.0	74.0	75.4	78.7	79.0	80.1	81.0	81.2	82.2	82.5	82.5	82.8	82.8	83.0	83.1
GE 2000	67.4	73.3	75.6	77.0	80.4	80.8	81.9	82.9	83.1	84.1	84.6	84.6	84.9	84.9	85.4	85.4
GE 1800	68.0	74.0	76.3	77.7	81.2	81.5	82.7	83.7	83.9	84.8	85.4	85.4	85.7	85.7	86.1	86.2
GE 1500	69.4	76.1	78.6	80.0	83.8	84.1	85.4	86.3	86.7	87.6	88.2	88.2	88.6	88.6	89.4	89.5
GE 1200	70.8	77.8	80.3	81.9	85.8	86.3	87.6	88.7	89.0	90.4	91.0	91.0	91.4	91.4	92.3	92.5
GE 1000	71.4	78.9	81.5	83.2	87.3	87.8	89.2	90.4	90.9	92.8	93.7	94.0	94.5	94.5	95.1	95.8
GE 900	72.2	79.5	82.2	83.9	88.0	88.5	89.9	91.3	91.6	93.8	94.8	95.2	95.7	95.7	96.2	97.0
GE 800	72.4	79.9	82.9	84.6	88.9	89.4	90.9	92.3	92.6	94.7	95.8	96.1	96.7	96.7	97.5	98.3
GE 700	72.6	80.1	83.2	84.9	89.2	89.6	91.2	92.6	92.9	95.3	96.3	96.7	97.6	97.6	98.7	98.9
GE 600	72.9	80.5	83.7	85.4	89.7	90.2	91.6	93.0	93.3	95.7	96.8	97.1	98.1	98.1	99.2	99.4
GE 500	72.9	80.5	83.7	85.4	89.7	90.2	91.6	93.0	93.3	95.7	96.8	97.1	98.1	98.1	99.2	99.4
GE 400	72.9	80.5	83.9	85.6	89.9	90.4	91.8	93.2	93.5	95.9	97.1	97.4	98.4	98.4	99.5	99.7
GE 300	72.9	80.5	83.9	85.6	90.0	90.5	91.9	93.3	93.7	96.0	97.2	97.5	98.5	98.5	99.6	99.8
GE 200	72.9	80.5	83.9	85.6	90.0	90.5	91.9	93.3	93.7	96.0	97.2	97.5	98.5	98.5	99.6	99.8
GE 100	72.9	80.5	83.9	85.6	90.0	90.5	91.9	93.3	93.7	96.0	97.2	97.5	98.5	98.5	99.6	99.8
GE 0	72.9	80.5	83.9	85.6	90.0	90.5	91.9	93.3	93.7	96.0	97.2	97.5	98.5	98.5	99.6	99.8

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(EST): 1900-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 1 1/2	GE 2	GE 3	GE 4	GE 5	GE 6	GE 7	GE 8	GE 9	GE 10	GE 11	GE 12	GE 13	GE 14	GE 15
NO CEIL	50.1	51.5	52.0	52.6	53.4	53.5	54.1	54.3	54.3	54.4	54.7	54.7	54.8	55.1	55.1	55.1
GE 20000	53.4	54.8	55.4	56.0	57.2	57.3	57.8	58.1	58.1	58.2	58.5	58.5	58.6	58.8	58.9	58.9
GE 18000	53.5	54.9	55.5	56.1	57.3	57.4	58.0	58.2	58.2	58.3	58.6	58.6	58.7	58.9	59.0	59.0
GE 16000	53.5	54.9	55.5	56.1	57.3	57.4	58.0	58.2	58.2	58.3	58.6	58.6	58.7	58.9	59.0	59.0
GE 14000	53.8	55.2	55.7	56.3	57.5	57.6	58.2	58.4	58.4	58.5	58.9	58.9	59.0	59.1	59.2	59.2
GE 12000	54.9	56.3	56.9	57.5	58.7	58.8	59.4	59.6	59.6	59.7	60.0	60.0	60.1	60.3	60.4	60.4
GE 10000	57.8	59.2	59.8	60.4	61.9	62.0	62.6	62.8	62.8	62.9	63.2	63.2	63.3	63.5	63.7	63.7
GE 9000	58.4	59.8	60.3	61.0	62.5	62.6	63.1	63.3	63.3	63.4	63.7	63.7	63.9	64.1	64.2	64.2
GE 8000	61.3	62.7	63.2	63.9	65.4	65.5	66.0	66.2	66.2	66.3	66.7	66.7	66.8	67.0	67.1	67.1
GE 7000	62.9	64.4	65.1	65.8	67.3	67.4	68.0	68.2	68.2	68.3	68.6	68.6	68.7	68.9	69.0	69.0
GE 6000	63.3	65.2	65.8	66.6	68.1	68.2	68.8	69.0	69.0	69.1	69.5	69.5	69.6	69.8	69.9	69.9
GE 5000	64.4	66.6	67.3	68.5	70.1	70.3	71.0	71.2	71.2	71.3	71.6	71.6	71.7	71.9	72.0	72.0
GE 4500	65.4	67.7	68.6	69.9	71.5	71.7	72.4	72.6	72.6	72.7	73.0	73.0	73.1	73.3	73.4	73.4
GE 4000	65.8	68.3	69.1	70.5	72.4	72.7	73.3	73.5	73.5	73.7	74.0	74.0	74.1	74.3	74.4	74.4
GE 3500	66.6	69.2	70.2	71.7	73.7	74.0	74.6	75.2	75.2	75.3	75.6	75.6	75.7	75.9	76.0	76.0
GE 3000	67.5	70.5	71.4	73.3	75.4	75.7	76.3	76.9	76.9	77.2	77.6	77.6	77.7	78.0	78.2	78.2
GE 2500	68.6	72.6	74.2	75.8	78.1	78.4	79.1	79.7	79.7	80.0	80.4	80.4	80.5	80.8	81.0	81.0
GE 2000	69.7	74.3	76.0	77.7	80.0	80.5	81.3	82.0	82.0	82.4	82.8	82.8	82.9	83.1	83.3	83.3
GE 1800	70.6	75.7	77.4	79.1	81.6	82.0	82.9	83.7	83.7	84.0	84.4	84.4	84.5	84.7	84.9	84.9
GE 1500	72.5	78.4	80.1	82.0	84.8	85.4	86.1	87.1	87.4	87.8	88.3	88.4	88.6	88.8	89.0	89.0
GE 1200	74.1	80.4	82.4	84.3	87.2	87.7	88.7	90.0	90.1	91.0	91.5	91.7	91.9	92.2	92.4	92.4
GE 1000	75.6	82.2	84.1	86.1	89.4	90.0	91.0	92.5	92.8	93.7	94.6	94.8	95.1	95.3	95.5	95.5
GE 900	75.9	82.7	84.7	86.8	90.0	90.6	91.6	93.1	93.4	94.3	95.5	95.8	96.0	96.2	96.5	96.5
GE 800	76.2	83.3	85.5	87.5	90.1	91.4	92.4	93.9	94.2	95.2	96.7	97.0	97.2	97.4	97.6	97.6
GE 700	76.2	83.3	85.5	87.5	90.9	91.5	92.5	94.1	94.4	95.4	97.1	97.4	97.8	98.1	98.3	98.4
GE 600	76.6	83.7	85.8	87.8	91.2	91.8	92.8	94.5	94.8	95.8	97.5	98.0	98.5	98.7	98.9	98.9
GE 500	76.7	83.8	85.9	88.0	91.3	91.9	92.9	94.6	94.9	95.9	97.6	98.2	98.7	98.9	99.1	99.2
GE 400	76.8	83.9	86.0	88.1	91.4	92.0	93.0	94.7	95.1	96.0	97.7	98.3	98.8	99.0	99.2	99.4
GE 300	76.8	83.9	86.0	88.1	91.4	92.2	93.1	94.8	95.2	96.2	98.0	98.6	99.1	99.4	99.6	99.7
GE 200	76.8	83.9	86.0	88.1	91.4	92.2	93.1	94.8	95.2	96.3	98.1	98.6	99.2	99.5	99.7	99.8
GE 100	76.8	83.9	86.1	88.2	91.5	92.3	93.2	94.9	95.3	96.6	98.3	98.8	99.5	99.7	99.9	100.0
GE 0	76.8	83.9	86.1	88.2	91.5	92.3	93.2	94.9	95.3	96.6	98.3	98.8	99.5	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(IST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	1	1/2	3/4	1	1/2	3/4	1	1/2	3/4	1	1/2	3/4	1	1/2	3/4	1	1/2
NO CEIL	51.3	52.9	53.3	53.5	53.9	53.9	54.5	54.7	54.7	54.9	55.3	55.5	55.5	55.6	55.9	55.9	55.9
GE 20000	54.7	56.3	56.9	57.1	57.4	57.4	58.1	58.3	58.3	58.5	58.8	59.0	59.0	59.1	59.5	59.5	59.5
GE 18000	54.7	56.3	56.9	57.1	57.4	57.4	58.1	58.3	58.3	58.5	58.8	59.0	59.0	59.1	59.5	59.5	59.5
GE 16000	54.7	56.3	56.9	57.1	57.4	57.4	58.1	58.3	58.3	58.5	58.8	59.0	59.0	59.1	59.5	59.5	59.5
GE 14000	55.1	56.7	57.2	57.4	57.7	57.7	58.4	58.6	58.6	58.8	59.1	59.4	59.4	59.5	59.8	59.8	59.8
GE 12000	56.0	57.6	58.5	58.7	59.0	59.0	59.7	59.9	59.9	60.1	60.4	60.6	60.6	60.8	61.1	61.1	61.1
GE 10000	59.5	61.3	61.9	62.2	62.5	62.5	63.1	63.3	63.3	63.5	63.9	64.1	64.1	64.2	64.5	64.5	64.5
GE 9000	60.0	61.8	62.5	62.7	63.0	63.0	63.7	63.9	63.9	64.1	64.4	64.6	64.6	64.7	65.1	65.1	65.1
GE 8000	62.7	64.5	65.3	65.5	65.9	65.9	66.6	66.8	66.8	67.0	67.3	67.5	67.5	67.6	68.0	68.0	68.0
GE 7000	64.5	66.3	67.1	67.3	67.7	67.7	68.4	68.6	68.6	68.8	69.1	69.4	69.4	69.5	69.8	69.8	69.8
GE 6000	64.8	66.7	67.4	67.6	68.1	68.2	68.8	69.0	69.0	69.2	69.6	69.8	69.8	69.9	70.2	70.2	70.2
GE 5000	65.7	67.7	68.5	68.8	69.4	69.5	70.1	70.3	70.3	70.5	70.9	71.1	71.1	71.2	71.5	71.5	71.5
GE 4000	67.5	69.6	70.4	70.9	71.4	71.5	72.2	72.4	72.4	72.6	72.9	73.1	73.1	73.2	73.5	73.5	73.5
GE 3000	67.7	70.1	71.0	71.4	72.2	72.3	73.0	73.2	73.2	73.4	73.8	74.0	74.0	74.1	74.4	74.4	74.4
GE 2000	68.4	70.8	71.6	72.0	73.0	73.3	74.2	74.4	74.4	74.6	74.9	75.2	75.2	75.3	75.6	75.6	75.6
GE 1000	69.6	71.9	72.8	73.5	74.7	75.1	76.0	76.2	76.2	76.7	77.2	77.2	77.2	77.3	77.6	77.6	77.6
GE 2500	71.2	74.5	75.5	76.2	77.5	77.8	78.8	79.0	79.0	79.5	79.9	80.0	80.0	80.1	80.4	80.4	80.4
GE 2000	72.2	75.9	76.9	78.1	79.5	79.9	81.0	81.2	81.2	81.7	82.0	82.3	82.3	82.4	82.7	82.7	82.7
GE 1500	73.0	76.9	77.8	79.0	80.4	80.9	81.9	82.2	82.2	82.7	83.0	83.2	83.2	83.3	83.7	83.7	83.7
GE 1000	76.8	80.6	81.8	83.2	84.7	85.2	86.3	86.7	86.7	87.1	87.6	87.8	87.8	88.0	88.3	88.3	88.3
GE 1200	79.7	83.3	84.5	85.9	87.5	88.0	89.4	90.1	90.2	91.1	91.5	91.8	91.8	91.9	92.3	92.3	92.3
GE 1000	79.8	84.5	85.7	87.1	88.9	89.4	90.9	91.7	91.8	92.7	93.1	93.4	93.4	93.5	93.9	93.9	93.9
GE 900	79.9	84.8	86.0	87.4	89.2	89.7	91.2	92.0	92.0	93.0	93.4	93.8	93.8	93.9	94.2	94.2	94.2
GE 800	80.1	85.3	86.5	88.0	89.8	90.2	91.7	92.6	92.9	93.9	94.4	94.7	94.7	94.8	95.2	95.2	95.2
GE 700	80.5	86.0	87.2	88.7	90.5	91.0	92.5	93.5	93.7	94.6	95.4	95.7	95.7	95.8	96.1	96.1	96.1
GE 600	80.6	86.2	87.4	89.0	90.9	91.3	92.9	94.0	94.1	95.5	96.5	96.8	96.8	96.9	97.4	97.4	97.4
GE 500	80.6	86.5	87.6	89.2	91.1	91.5	93.1	94.3	94.4	96.2	97.0	97.7	97.7	97.8	98.4	98.4	98.4
GE 400	80.6	86.7	88.1	89.7	91.5	91.9	93.7	94.8	94.9	96.8	97.7	98.3	98.3	98.4	98.9	98.9	98.9
GE 300	80.6	86.8	88.2	89.8	91.6	92.0	93.8	94.9	95.1	97.1	98.3	98.8	98.8	98.9	99.5	99.5	99.5
GE 200	80.6	86.9	88.3	89.9	91.8	92.3	94.0	95.2	95.3	97.4	98.6	99.1	99.1	99.2	99.8	99.8	99.8
GE 100	80.6	86.9	88.3	89.9	91.8	92.3	94.0	95.2	95.3	97.4	98.6	99.1	99.2	99.4	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 730

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(IST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1	GE 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 1/8
NO CLIL	48.8	50.8	51.5	52.1	53.0	53.1	53.5	53.9	54.0	54.3	54.5	54.5	54.5	54.6	54.7	54.8	54.8	54.8
GE 2000	51.9	54.0	54.7	55.3	56.3	56.4	56.7	57.2	57.3	57.6	57.8	57.9	58.0	58.0	58.1	58.1	58.2	58.2
GE 1800	51.9	54.0	54.8	55.4	56.4	56.4	56.8	57.3	57.4	57.7	57.9	58.0	58.0	58.1	58.1	58.2	58.3	58.3
GE 1600	51.9	54.0	54.8	55.4	56.4	56.4	56.8	57.3	57.4	57.7	57.9	58.0	58.0	58.1	58.1	58.2	58.3	58.3
GE 1400	52.1	54.2	54.9	55.5	56.6	56.6	57.0	57.5	57.5	57.9	58.1	58.2	58.3	58.3	58.4	58.4	58.5	58.5
GE 1200	53.0	55.1	55.9	56.5	57.5	57.6	58.0	58.5	58.6	58.9	59.2	59.2	59.3	59.3	59.4	59.4	59.5	59.5
GE 1000	56.3	58.6	59.4	60.0	61.1	61.1	61.6	62.0	62.1	62.5	62.7	62.9	62.9	62.9	62.9	63.0	63.1	63.1
GE 900	57.3	59.6	60.4	61.0	62.1	62.2	62.6	63.1	63.2	63.6	63.8	63.9	63.9	63.9	64.0	64.1	64.2	64.2
GE 800	59.8	62.3	63.2	63.9	65.1	65.2	65.6	66.1	66.2	66.6	66.9	66.9	66.9	67.0	67.1	67.2	67.3	67.3
GE 700	61.1	63.7	64.6	65.2	66.5	66.6	67.0	67.5	67.6	68.1	68.3	68.4	68.4	68.5	68.6	68.7	68.8	68.8
GE 600	61.6	64.4	65.3	66.0	67.3	67.4	67.9	68.3	68.4	68.9	69.1	69.2	69.3	69.4	69.5	69.6	69.7	69.7
GE 500	62.8	65.8	66.6	67.7	69.1	69.3	69.9	70.3	70.4	70.9	71.2	71.2	71.3	71.4	71.5	71.6	71.7	71.7
GE 450	63.9	67.1	68.2	69.2	70.7	71.0	71.5	72.0	72.2	72.6	72.9	72.9	73.0	73.1	73.2	73.3	73.4	73.4
GE 400	64.6	68.0	69.2	70.3	72.0	72.2	72.8	73.5	73.6	74.1	74.4	74.4	74.5	74.6	74.7	74.8	74.9	74.9
GE 350	65.3	68.9	70.2	71.3	73.2	73.5	74.1	74.8	74.9	75.4	75.7	75.8	75.8	75.9	76.0	76.1	76.2	76.2
GE 300	66.3	70.2	71.6	72.8	74.8	75.1	75.8	76.6	76.7	77.3	77.6	77.7	77.8	77.9	78.0	78.1	78.2	78.2
GE 250	67.6	71.9	73.6	74.9	77.1	77.4	78.1	78.9	79.1	79.7	80.0	80.1	80.2	80.3	80.4	80.5	80.6	80.6
GE 200	69.0	73.9	75.7	77.1	79.5	79.6	80.7	81.6	81.8	82.5	82.9	83.0	83.1	83.2	83.3	83.4	83.5	83.5
GE 180	69.4	74.6	76.4	77.9	80.3	80.7	81.7	82.6	82.8	83.5	83.9	84.0	84.1	84.2	84.3	84.4	84.5	84.5
GE 150	71.2	76.7	78.5	80.1	82.7	83.1	84.1	85.2	85.4	86.2	86.6	86.7	86.8	86.9	87.0	87.1	87.2	87.3
GE 120	72.7	78.6	80.5	82.1	85.0	85.4	86.6	87.8	88.1	89.1	89.5	89.7	89.9	90.0	90.1	90.2	90.3	90.3
GE 100	73.9	80.1	82.2	83.8	87.0	87.4	88.6	90.0	90.3	91.5	92.1	92.3	92.6	92.8	93.0	93.2	93.4	93.4
GE 90	74.2	80.8	82.9	84.5	87.8	88.2	89.4	90.9	91.1	92.4	93.1	93.3	93.7	93.9	94.1	94.3	94.5	94.5
GE 80	74.5	81.2	83.4	85.1	88.4	88.8	90.1	91.6	91.9	93.2	94.0	94.2	94.7	94.9	95.1	95.3	95.5	95.5
GE 70	74.7	81.5	83.8	85.6	88.9	89.3	90.5	92.2	92.4	93.8	94.7	94.9	95.4	95.6	95.9	96.1	96.3	96.3
GE 60	75.0	81.9	84.1	85.9	89.3	89.6	91.1	92.8	93.0	94.6	95.5	95.8	96.2	96.5	96.7	97.0	97.2	97.2
GE 50	75.2	82.3	84.5	86.4	89.8	90.3	91.7	93.4	93.7	95.4	96.4	96.7	97.2	97.4	97.7	98.0	98.2	98.2
GE 40	75.2	82.5	84.8	86.7	90.3	90.8	92.2	94.0	94.2	96.0	97.0	97.3	97.8	98.0	98.3	98.6	98.8	98.8
GE 30	75.2	82.6	84.9	86.9	90.5	91.0	92.4	94.2	94.5	96.3	97.4	97.7	98.3	98.6	98.9	99.2	99.4	99.4
GE 20	75.2	82.6	85.0	86.9	90.6	91.1	92.5	94.2	94.6	96.4	97.6	97.9	98.5	98.8	99.2	99.4	99.7	99.7
GE 10	75.2	82.6	85.0	86.9	90.6	91.1	92.5	94.2	94.6	96.5	97.6	97.9	98.5	98.8	99.2	99.4	99.7	99.7
GE 0	75.2	82.6	85.0	86.9	90.6	91.1	92.5	94.2	94.6	96.5	97.6	97.9	98.5	98.8	99.2	99.4	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(IST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 7/16	GE 1/4	GE C	
NO CEIL	49.1	49.8	49.9	50.4	50.7	50.7	50.7	50.9	50.9	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	
GE 20000	52.0	52.7	52.8	53.3	53.8	53.8	53.8	54.0	54.0	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	
GE 18000	52.1	52.8	53.0	53.4	53.9	53.9	53.9	54.1	54.1	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	
GE 16000	52.1	52.8	53.0	53.4	53.9	53.9	53.9	54.1	54.1	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	
GE 14000	52.1	52.8	53.0	53.4	53.9	53.9	53.9	54.1	54.1	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	
GE 12000	52.6	53.3	53.4	53.9	54.4	54.4	54.4	54.6	54.6	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	
GE 10000	54.4	55.3	55.4	55.9	56.4	56.4	56.4	56.6	56.6	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	
GE 9000	55.4	56.4	56.5	57.0	57.4	57.4	57.4	57.7	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	
GE 8000	57.8	58.9	59.0	59.5	60.3	60.3	60.4	60.6	60.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	
GE 7000	58.7	59.8	59.9	60.4	61.2	61.2	61.3	61.6	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	
GE 6000	59.2	60.3	60.4	60.9	61.7	61.7	61.7	62.1	62.1	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	
GE 5000	61.1	62.3	62.8	63.4	64.5	64.5	64.8	65.0	65.0	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	
GE 4500	62.1	63.6	64.3	64.9	66.1	66.1	66.3	66.5	66.5	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	
GE 4000	62.3	63.8	64.5	65.1	66.4	66.4	66.6	66.9	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	
GE 3500	63.5	65.2	66.3	66.9	68.2	68.2	68.7	69.1	69.1	69.5	69.5	69.5	69.5	69.5	69.6	69.6	69.7	
GE 3000	64.5	66.4	67.6	68.2	69.6	69.6	70.1	70.6	70.6	70.9	70.9	70.9	70.9	70.9	71.0	71.0	71.2	
GE 2500	65.4	67.5	68.9	69.5	71.3	71.3	71.7	72.3	72.3	72.7	72.7	72.7	72.7	72.7	72.8	72.8	72.9	
GE 2000	67.7	70.2	72.6	73.3	75.2	75.2	75.7	76.4	76.4	76.7	76.7	76.7	76.7	76.7	76.8	76.8	77.0	
GE 1800	69.3	70.9	73.5	74.2	76.1	76.1	76.6	77.3	77.3	77.7	77.7	77.7	77.7	77.7	77.8	77.8	77.9	
GE 1500	70.7	73.9	76.6	77.4	79.4	79.4	79.9	80.7	80.7	81.2	81.2	81.2	81.2	81.2	81.3	81.3	81.4	
GE 1200	74.0	77.4	80.3	81.1	83.2	83.2	83.8	84.6	84.6	85.2	85.2	85.2	85.2	85.2	85.3	85.3	85.5	
GE 1000	75.2	79.1	82.3	83.1	85.3	85.3	85.9	87.2	87.2	88.1	88.1	88.2	88.2	88.3	88.4	88.4	88.5	
GE 900	75.8	79.7	82.9	83.6	86.1	86.1	86.6	88.3	88.3	89.2	89.2	89.4	89.4	89.5	89.6	89.6	89.7	
GE 800	76.2	80.1	83.3	84.3	86.5	86.5	87.1	89.6	89.6	90.0	90.0	90.1	90.1	90.2	90.3	90.3	90.4	
GE 700	76.4	80.3	83.5	84.4	86.6	86.6	87.2	89.0	89.6	90.2	90.2	90.4	90.4	90.9	91.0	91.1	91.3	
GE 600	76.6	80.9	84.0	85.2	87.5	87.5	88.3	90.4	91.3	92.0	92.0	92.6	92.6	92.9	93.0	93.1	93.3	
GE 500	77.0	81.3	84.5	85.7	88.3	88.3	89.4	91.6	92.4	93.1	93.1	93.7	94.0	94.1	94.2	94.3	94.4	
GE 400	77.1	82.2	85.3	86.6	89.2	89.2	90.4	92.7	93.5	94.3	94.3	94.9	95.2	95.3	95.4	95.6	95.7	
GE 300	77.1	82.2	85.5	86.8	89.4	89.4	90.6	92.9	93.4	94.3	95.7	96.6	96.8	97.2	97.3	97.5	97.6	
GE 200	77.1	82.2	85.5	86.8	89.4	89.4	90.6	91.0	93.6	94.6	96.6	97.4	97.6	98.0	98.2	98.6	98.8	
GE 100	77.1	82.2	85.5	86.8	89.5	89.5	91.1	93.7	94.7	96.8	97.9	98.1	98.5	98.7	99.2	99.5	99.5	
GE 50	77.1	82.2	85.5	86.8	89.5	89.5	91.1	93.7	94.7	96.8	97.9	98.1	98.5	98.7	99.2	99.5	100.0	

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH.  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(IST): 0100-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES														
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16
NO CEIL	46.3	47.8	48.2	48.5	49.1	49.1	49.2	49.4	49.4	49.5	49.9	49.9	49.9	49.9	50.0
GE 20000	50.1	51.7	52.2	52.6	53.2	53.2	53.3	53.5	53.5	53.7	54.7	54.0	54.0	54.0	54.1
GE 18000	50.1	51.7	52.2	52.6	53.2	53.2	53.3	53.5	53.5	53.7	54.7	54.0	54.0	54.0	54.1
GE 16000	50.1	51.7	52.2	52.6	53.2	53.2	53.3	53.5	53.5	53.7	54.7	54.0	54.0	54.0	54.1
GE 14000	50.5	52.0	52.6	53.0	53.5	53.5	53.7	53.9	53.9	54.0	54.4	54.4	54.4	54.4	54.5
GE 12000	50.8	52.4	53.0	53.3	53.9	54.0	54.1	54.5	54.5	54.6	55.0	55.0	55.0	55.0	55.1
GE 10000	54.0	56.0	56.6	57.0	57.6	57.7	57.8	58.2	58.2	58.3	58.6	58.6	58.6	58.6	58.7
GE 9000	55.2	57.2	57.8	58.2	58.7	58.9	59.0	59.3	59.3	59.5	59.8	59.8	59.8	59.8	59.9
GE 8000	57.2	59.2	59.8	60.3	60.9	61.0	61.1	61.5	61.5	61.6	61.9	61.9	61.9	61.9	62.1
GE 7000	58.0	60.2	60.8	61.3	62.1	62.2	62.3	62.6	62.6	62.8	63.1	63.1	63.1	63.1	63.2
GE 6000	58.7	60.9	61.5	62.1	62.8	62.9	63.0	63.4	63.4	63.5	63.8	63.8	63.8	63.8	63.9
GE 5000	60.4	62.6	63.2	63.8	64.5	64.7	64.8	65.1	65.1	65.2	65.6	65.6	65.6	65.6	65.7
GE 4500	61.9	64.4	65.1	65.7	66.4	66.5	66.7	67.0	67.0	67.1	67.5	67.5	67.5	67.5	67.6
GE 4000	62.1	64.9	65.6	66.5	67.5	67.7	67.8	68.3	68.3	68.6	68.9	68.9	68.9	68.9	69.0
GE 3500	63.5	66.5	67.3	68.2	69.1	69.4	69.6	70.1	70.1	70.3	70.7	70.7	70.7	70.7	70.9
GE 3000	64.1	67.1	68.0	68.9	69.9	70.2	70.6	71.0	71.0	71.3	71.6	71.6	71.6	71.6	71.9
GE 2500	66.0	69.5	70.6	71.5	72.5	72.6	73.2	73.6	73.6	73.9	74.2	74.2	74.2	74.2	74.5
GE 2000	67.8	72.1	73.5	74.7	75.7	76.0	76.5	77.0	77.0	77.2	77.5	77.5	77.5	77.5	77.8
GE 1800	68.9	73.2	74.9	76.1	77.1	77.4	77.9	78.4	78.4	78.6	79.0	79.0	79.0	79.0	79.2
GE 1600	71.2	75.7	77.5	78.7	80.1	80.5	81.0	81.4	81.4	81.7	82.0	82.0	82.0	82.0	82.3
GE 1400	72.7	77.4	80.0	81.2	83.0	83.3	83.9	84.5	84.6	84.9	85.2	85.2	85.2	85.2	85.5
GE 1000	74.7	79.8	82.0	83.9	85.7	86.1	87.0	87.7	87.8	88.2	88.5	88.5	88.5	88.5	88.8
GE 900	75.2	80.3	83.1	84.4	86.2	86.5	87.5	88.2	88.4	88.9	89.2	89.2	89.2	89.2	89.5
GE 800	75.4	80.5	83.3	84.6	86.4	86.8	87.9	88.7	88.9	89.4	89.7	89.7	89.7	89.7	90.0
GE 700	75.7	80.7	83.6	84.9	86.8	87.1	88.3	89.0	89.4	89.8	90.4	90.4	90.4	90.4	90.9
GE 600	75.8	81.0	83.8	85.1	87.0	87.5	88.8	89.5	89.8	90.4	91.0	91.0	91.0	91.0	91.6
GE 500	76.5	81.7	84.6	85.9	87.9	88.4	90.1	90.9	91.3	92.0	92.7	92.7	92.7	92.7	93.3
GE 400	77.0	82.4	85.3	87.1	89.6	90.9	92.8	93.7	94.2	94.9	95.6	95.6	95.6	95.6	96.3
GE 300	77.1	82.5	85.6	87.4	90.0	91.3	93.4	94.3	94.9	96.1	96.8	96.8	96.8	96.8	97.9
GE 200	77.1	82.5	85.6	87.4	90.0	91.3	93.5	94.4	95.0	96.8	97.9	98.0	98.2	98.5	99.3
GE 100	77.1	82.5	85.6	87.4	90.0	91.3	93.5	94.4	95.0	96.8	97.9	98.0	98.5	98.8	100.0
GE 0	77.1	82.5	85.6	87.4	90.0	91.3	93.5	94.4	95.0	96.8	97.9	98.0	98.5	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(LOCAL): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 1	GE 10	GE 6	GF 5	GF 4	GE 3	GE 2 1/2	GE 2	GF 1 1/2	GE 1 1/4	GE 1	GE 3/4	GF 5/8	GE 1/2	GF 5/16	GE 1/4	GE 0
NO CEIL	45.0	46.6	46.6	47.0	47.2	47.6	48.0	48.1	48.1	48.1	48.1	48.2	48.3	48.5	48.5	48.5	48.6
GE 20000	49.0	49.6	49.6	50.1	50.9	50.9	51.2	51.3	51.3	51.3	51.3	51.4	51.5	51.7	51.7	51.7	51.8
GE 18000	48.0	49.6	49.6	50.1	50.9	50.9	51.2	51.3	51.3	51.3	51.3	51.4	51.5	51.7	51.7	51.7	51.8
GE 16000	48.0	49.6	49.6	50.1	50.9	50.9	51.2	51.3	51.3	51.3	51.3	51.4	51.5	51.7	51.7	51.7	51.8
GE 14000	48.2	49.9	49.9	50.4	51.2	51.2	51.4	51.5	51.5	51.5	51.5	51.7	51.8	51.9	51.9	51.9	52.0
GE 12000	48.2	49.9	49.9	50.4	51.2	51.2	51.4	51.5	51.5	51.5	51.5	51.7	51.8	51.9	51.9	51.9	52.0
GE 10000	51.2	53.0	53.1	53.5	54.4	54.4	54.6	54.7	54.7	54.7	54.7	54.8	55.0	55.1	55.1	55.1	55.2
GE 9000	53.0	54.7	55.0	55.4	56.4	56.4	56.6	56.7	56.7	56.7	56.7	56.9	57.0	57.1	57.1	57.1	57.2
GE 8000	54.1	56.1	56.4	56.9	57.9	57.9	58.2	58.3	58.3	58.3	58.3	58.4	58.5	58.6	58.6	58.6	58.7
GE 7000	55.4	57.6	57.9	58.6	59.8	59.8	60.0	60.2	60.2	60.2	60.2	60.3	60.4	60.5	60.5	60.5	60.6
GE 6000	56.3	58.5	58.9	59.8	61.0	61.0	61.2	61.3	61.3	61.3	61.3	61.5	61.6	61.7	61.7	61.7	61.8
GE 5000	57.8	60.3	60.8	61.9	63.2	63.2	63.5	63.6	63.6	63.6	63.6	63.7	63.8	63.9	63.9	63.9	64.1
GE 4500	59.0	61.6	62.1	63.5	64.6	64.6	65.0	65.1	65.1	65.1	65.1	65.2	65.4	65.5	65.5	65.5	65.6
GE 4000	59.1	61.8	62.4	64.1	65.4	65.4	65.7	65.8	65.8	65.8	65.8	66.0	66.1	66.2	66.2	66.2	66.3
GE 3500	59.9	62.9	63.5	65.2	66.5	66.5	66.9	67.0	67.0	67.0	67.0	67.1	67.3	67.4	67.4	67.4	67.5
GE 3000	60.6	64.1	64.8	66.6	68.3	68.4	68.8	68.9	68.9	68.9	69.0	69.1	69.3	69.4	69.4	69.4	69.5
GE 2500	61.5	65.2	66.1	68.3	70.1	70.2	70.6	70.7	70.7	70.7	70.9	71.0	71.2	71.3	71.3	71.3	71.4
GE 2000	63.8	68.2	69.1	71.5	73.3	73.5	73.9	74.2	74.2	74.2	74.6	74.7	74.8	74.9	74.9	74.9	75.1
GE 1800	65.0	69.9	71.0	73.5	75.4	75.7	76.0	76.4	76.4	76.4	76.7	76.8	77.0	77.2	77.2	77.2	77.3
GE 1500	66.9	72.3	73.5	76.1	78.3	78.5	79.2	79.6	79.6	79.6	80.0	80.1	80.3	80.5	80.5	80.5	80.6
GE 1200	68.9	74.8	76.0	78.8	81.0	81.3	82.0	82.5	82.5	82.5	83.0	83.1	83.2	83.5	83.5	83.6	83.7
GE 1000	70.3	76.2	77.5	80.4	82.5	83.1	84.0	84.8	84.8	84.8	85.5	85.9	86.1	86.3	86.4	86.5	86.6
GE 900	71.3	77.8	79.1	81.9	84.0	84.6	85.6	86.3	86.3	86.3	87.0	87.5	87.6	87.9	87.9	88.1	88.2
GF 800	71.5	78.4	79.8	82.6	84.8	85.3	86.3	87.1	87.1	87.1	87.9	88.4	88.5	88.8	88.9	89.0	89.1
GE 700	72.0	79.0	80.6	83.5	85.6	86.2	87.2	88.2	88.2	88.2	89.0	89.5	89.6	89.8	89.8	90.0	90.1
GE 600	72.1	79.1	80.7	83.7	86.3	86.9	88.2	89.2	89.2	89.2	90.1	90.5	90.7	90.9	91.0	91.5	91.6
GE 500	72.5	79.6	81.4	84.4	87.5	88.2	89.7	90.9	90.9	90.9	91.7	92.2	92.3	92.6	92.7	93.1	93.3
GE 400	73.5	80.6	82.6	85.7	89.1	90.0	91.8	93.1	93.3	93.3	94.6	95.0	95.2	95.4	95.5	96.0	96.2
GE 300	73.6	80.7	82.7	85.9	89.8	90.7	93.1	94.8	95.1	95.1	96.7	97.4	97.5	97.8	98.0	98.5	98.7
GE 200	73.6	80.7	82.7	85.9	89.8	90.7	93.3	94.9	95.4	95.4	97.2	98.0	98.1	98.6	98.8	99.3	99.5
GF 100	73.6	80.7	82.7	85.9	89.8	90.7	93.3	94.9	95.4	95.4	97.2	98.0	98.1	98.6	98.8	99.6	100.0
GE 0	73.6	80.7	82.7	85.9	89.8	90.7	93.3	94.9	95.4	95.4	97.2	98.0	98.1	98.6	98.8	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 946

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(IST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 7/16	GE 1/4	GE 0
NO CEIL	42.2	43.7	45.3	45.6	46.3	46.3	46.8	46.9	46.9	47.0	47.3	47.3	47.3	47.4	47.9	48.0
GE 20000	47.0	48.2	49.8	50.2	50.9	50.9	51.4	51.5	51.5	51.7	51.9	51.9	51.9	52.0	52.5	52.6
GE 18000	47.6	48.8	50.4	50.8	51.5	51.5	52.0	52.1	52.1	52.2	52.5	52.5	52.5	52.6	53.1	53.2
GE 16000	47.6	48.8	50.4	50.8	51.5	51.5	52.0	52.1	52.1	52.2	52.5	52.5	52.5	52.6	53.1	53.2
GE 14000	47.9	49.1	51.6	51.1	51.9	51.9	52.4	52.5	52.5	52.6	52.9	52.8	52.8	53.0	53.4	53.5
GE 12000	49.4	50.6	52.2	52.7	53.5	53.5	54.0	54.1	54.1	54.3	54.5	54.5	54.5	54.6	55.1	55.2
GE 10000	50.9	52.1	54.0	54.6	55.7	55.7	56.3	56.4	56.4	56.5	56.7	56.7	56.7	56.9	57.3	57.4
GE 9000	52.5	53.7	55.6	56.1	57.2	57.2	57.8	57.9	57.9	58.0	58.3	58.3	58.3	58.4	58.9	59.0
GE 8000	55.2	56.5	58.6	59.3	60.4	60.4	61.0	61.1	61.1	61.3	61.6	61.6	61.6	61.7	62.2	62.3
GE 7000	55.7	57.0	59.1	59.9	61.0	61.0	61.7	61.9	61.9	62.2	62.4	62.4	62.4	62.5	63.0	63.1
GE 6000	57.0	58.6	61.1	61.9	63.0	63.0	63.7	64.1	64.1	64.3	64.5	64.5	64.5	64.7	65.1	65.2
GE 5000	57.8	59.6	62.2	63.2	64.4	64.4	65.1	65.5	65.5	65.7	65.7	65.7	65.7	65.7	66.1	66.7
GE 4500	58.0	59.8	62.5	63.8	65.0	65.0	65.7	66.1	66.1	66.3	66.5	66.5	66.5	66.5	66.7	67.3
GE 4000	58.4	60.3	63.0	64.3	65.5	65.5	66.4	67.1	67.1	67.4	67.6	67.6	67.6	67.7	68.2	68.3
GE 3500	58.6	61.0	63.8	65.1	66.5	66.7	67.5	68.2	68.2	68.4	68.7	68.7	68.7	68.8	69.3	69.4
GE 3000	58.9	61.7	64.2	66.3	67.7	67.6	68.7	69.5	69.5	69.7	70.0	70.0	70.0	70.1	70.6	70.7
GE 2500	59.1	62.3	65.5	66.9	68.7	68.8	69.6	70.4	70.4	71.2	71.4	71.4	71.4	71.5	72.0	72.1
GE 2000	60.3	63.8	67.1	68.7	70.8	71.0	72.0	73.2	73.2	73.9	74.1	74.1	74.1	74.3	74.9	75.1
GE 1800	61.1	64.9	68.2	69.7	71.9	72.1	73.1	74.7	74.7	75.4	75.7	75.9	75.9	76.0	76.5	76.6
GE 1500	62.3	66.4	70.3	72.1	74.5	74.6	76.4	77.9	78.0	79.4	79.9	80.0	80.0	80.1	80.6	80.7
GE 1200	64.8	69.1	73.4	75.3	78.1	78.5	80.5	82.2	82.6	84.2	84.6	84.9	84.9	85.1	85.5	85.6
GE 1000	66.1	70.8	75.1	77.2	80.1	80.6	83.0	85.2	85.8	87.7	88.2	88.4	88.4	88.5	89.0	89.1
GE 900	66.4	71.2	75.5	77.8	80.7	81.2	83.9	86.1	86.6	88.8	89.2	89.5	89.5	89.6	90.1	90.2
GE 800	66.4	71.4	75.9	78.1	81.1	81.6	84.2	86.4	87.0	89.2	89.7	90.0	90.0	90.2	90.7	90.8
GE 700	66.4	71.4	76.0	78.3	81.2	81.7	84.4	86.8	87.4	89.6	90.1	90.3	90.4	90.7	91.1	91.3
GE 600	66.8	72.0	76.7	79.1	82.2	82.7	85.6	87.9	88.5	90.9	91.5	91.7	91.8	92.1	92.6	92.7
GE 500	66.9	72.3	77.1	79.6	82.9	83.6	86.5	89.0	89.7	92.2	92.9	93.0	93.1	93.4	93.9	94.0
GE 400	66.9	72.6	77.5	80.3	83.8	84.5	87.7	90.4	91.3	94.0	94.6	94.6	94.6	95.2	95.5	96.1
GE 300	66.9	72.6	77.5	80.4	84.2	85.2	88.4	91.4	92.7	95.5	96.1	96.8	97.3	97.8	98.2	98.6
GE 200	66.9	72.6	77.5	80.4	84.2	85.2	88.5	91.5	92.9	95.7	96.9	97.4	98.0	98.5	98.9	99.4
GE 100	66.9	72.6	77.5	80.4	84.2	85.2	88.5	91.5	92.9	95.7	96.9	97.4	98.1	98.6	99.2	99.8
GE 0	66.9	72.6	77.5	80.4	84.2	85.2	88.5	91.5	92.9	95.7	96.9	97.4	98.1	98.6	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 946



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 74-87  
MONTH: FEB HOURS(EST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 3	GE 5	GE 7	GE 9	GE 11	GE 13	GE 15	GE 17	GE 19	GE 21	GE 23	GE 25	GE 27	GE 29	GE 31
NO CEIL	41.1	43.3	44.8	45.0	46.1	46.2	46.5	46.6	46.7	47.3	47.3	47.3	47.8	47.8	47.8	47.8
GE 20000	44.8	46.9	48.5	48.7	49.8	49.9	50.1	50.2	50.4	50.9	50.9	50.9	51.4	51.4	51.4	51.4
GE 18000	45.2	47.5	49.1	49.3	50.4	50.5	50.7	50.8	50.9	51.5	51.5	51.5	52.0	52.0	52.0	52.0
GE 16000	45.2	47.5	49.1	49.3	50.4	50.5	50.7	50.8	50.9	51.5	51.5	51.5	52.0	52.0	52.0	52.0
GE 14000	46.0	48.3	49.9	50.1	51.3	51.4	51.7	51.9	52.0	52.6	52.6	52.6	53.1	53.1	53.1	53.1
GE 12000	46.0	50.4	51.9	52.1	53.4	53.5	53.8	54.0	54.1	54.7	54.7	54.7	55.2	55.2	55.2	55.2
GE 10000	50.0	52.7	54.3	54.8	56.4	56.5	56.7	57.0	57.1	57.7	57.7	57.7	58.2	58.2	58.2	58.2
GE 9000	50.4	53.1	54.6	55.2	56.7	57.0	57.3	57.6	57.7	58.3	58.3	58.3	58.7	58.7	58.7	58.7
GE 8000	53.7	56.9	59.2	59.4	61.8	62.1	62.4	62.6	62.8	63.4	63.4	63.4	63.8	63.8	63.8	63.8
GE 7000	55.1	58.4	60.9	61.7	63.7	64.1	64.4	65.0	65.1	65.7	65.7	65.7	66.2	66.2	66.2	66.2
GE 6000	56.0	59.5	62.2	63.1	65.2	65.6	66.0	66.5	66.7	67.3	67.3	67.3	67.7	67.7	67.7	67.7
GE 5000	56.6	60.3	63.2	64.2	66.4	66.6	67.1	67.7	67.8	68.4	68.4	68.4	68.9	68.9	68.9	68.9
GE 4500	57.1	60.8	63.8	64.8	67.0	67.4	67.7	68.3	68.4	69.0	69.0	69.0	69.5	69.5	69.5	69.5
GE 4000	57.6	61.2	64.4	65.6	68.0	68.3	68.7	69.3	69.4	70.0	70.0	70.0	70.4	70.4	70.4	70.4
GE 3500	58.0	61.7	64.9	66.1	68.7	69.0	69.6	70.3	70.4	71.0	71.0	71.0	71.5	71.5	71.5	71.5
GE 3000	58.6	62.9	66.1	67.5	70.2	70.6	71.3	72.1	72.3	73.2	73.2	73.2	73.6	73.6	73.6	73.6
GE 2500	59.6	64.1	67.5	69.1	71.9	72.2	73.0	73.9	74.1	75.4	75.5	75.5	76.0	76.0	76.0	76.0
GE 2000	60.3	65.4	69.0	71.3	74.2	74.6	75.4	76.5	76.8	78.4	78.4	78.4	79.3	79.3	79.3	79.3
GE 1800	60.9	66.0	69.7	72.1	75.1	75.4	76.4	77.7	78.0	79.6	79.6	79.6	80.5	80.5	80.5	80.5
GE 1500	62.5	68.3	72.7	75.5	79.1	79.4	80.4	82.0	82.4	83.9	84.4	84.4	84.9	84.9	84.9	84.9
GE 1200	63.9	70.2	74.8	77.8	81.6	82.0	83.0	84.6	85.2	86.8	87.2	87.2	87.7	87.7	87.7	87.7
GE 1000	65.4	71.7	76.4	79.3	83.5	83.9	84.9	86.6	87.6	89.7	90.2	90.2	90.9	91.0	91.0	91.0
GE 900	65.7	72.2	77.2	80.3	84.5	85.1	86.2	88.1	89.0	91.1	91.8	91.8	92.6	92.7	92.7	92.7
GE 800	66.1	72.7	77.7	80.7	85.1	85.8	86.9	88.8	89.7	91.8	92.6	92.6	93.3	93.4	93.4	93.4
GE 700	66.4	73.3	78.3	81.3	85.9	86.8	87.8	89.7	90.7	92.9	93.9	93.9	94.7	94.8	94.8	94.8
GE 600	66.4	73.6	79.0	82.2	86.8	87.7	88.8	90.6	91.7	94.0	94.9	94.9	95.7	95.9	95.9	95.9
GE 500	66.4	73.9	79.6	82.7	87.6	88.5	89.7	91.8	92.8	95.0	96.2	96.2	97.0	97.2	97.2	97.2
GE 400	66.4	73.9	79.8	83.2	88.2	89.2	90.8	93.1	94.1	96.3	97.8	97.8	98.7	98.8	98.8	98.8
GE 300	66.4	73.9	79.9	83.3	88.5	89.6	91.1	93.5	94.4	96.7	98.2	98.2	99.4	99.6	99.6	99.6
GE 250	66.4	73.9	79.9	83.3	88.5	89.6	91.1	93.5	94.4	96.7	98.2	98.2	99.4	99.6	99.6	99.6
GE 100	66.4	73.9	79.9	83.3	88.5	89.6	91.1	93.5	94.4	96.7	98.2	98.2	99.4	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 1 1/2	GE 2	GE 3	GE 4	GE 5	GE 6	GE 7	GE 8	GE 9	GE 10	GE 11	GE 12	GE 13	GE 14	GE 15
NO CEIL	40.3	42.7	44.6	45.9	46.7	46.8	47.0	47.4	47.4	47.8	47.9	47.9	47.9	47.9	47.9	47.9
GE 2000	44.1	46.9	48.8	50.1	50.9	51.1	51.4	52.0	52.7	52.4	52.5	52.5	52.5	52.5	52.5	52.5
GE 1800	44.7	47.5	49.4	50.7	51.5	51.7	52.0	52.6	52.6	53.0	53.1	53.1	53.1	53.1	53.1	53.1
GE 1600	44.8	47.6	49.5	50.8	51.7	51.8	52.1	52.7	52.7	53.1	53.2	53.2	53.2	53.2	53.2	53.2
GE 1400	45.4	48.2	50.1	51.4	52.2	52.4	52.7	53.3	53.3	53.7	53.8	53.8	53.8	53.8	53.8	53.8
GE 1200	46.7	49.5	51.4	52.7	53.5	53.7	54.0	54.6	54.6	55.0	55.1	55.1	55.1	55.1	55.1	55.1
GE 1000	48.9	52.0	53.9	55.3	56.3	56.4	56.7	57.3	57.3	57.8	57.9	57.9	57.9	57.9	57.9	57.9
GE 900	49.3	52.4	54.3	55.7	56.6	56.7	57.1	57.7	57.7	58.2	58.3	58.3	58.3	58.3	58.3	58.3
GE 800	51.7	54.7	57.1	58.7	59.8	59.9	60.3	60.9	60.9	61.5	61.6	61.6	61.6	61.6	61.6	61.6
GE 700	52.8	56.4	58.9	60.5	61.7	61.8	62.3	62.9	63.0	63.6	63.7	63.7	63.7	63.7	63.7	63.7
GE 600	53.8	57.4	59.9	61.6	62.9	63.0	63.5	64.1	64.2	64.8	64.9	64.9	64.9	64.9	64.9	64.9
GE 500	55.1	59.2	61.8	63.6	65.2	65.4	65.8	66.5	66.7	67.3	67.5	67.5	67.5	67.5	67.5	67.5
GE 450	55.0	60.3	62.9	64.7	66.3	66.4	66.9	67.7	67.7	68.4	68.7	68.7	68.7	68.7	68.7	68.7
GE 400	56.7	61.1	63.7	65.6	67.6	67.7	68.2	69.0	69.1	69.7	70.0	70.0	70.0	70.0	70.0	70.0
GE 350	57.2	61.7	64.7	66.7	68.9	69.3	69.7	70.6	70.7	71.3	71.5	71.5	71.5	71.5	71.5	71.5
GE 300	58.2	62.8	66.2	68.4	71.5	71.9	72.5	73.4	73.9	74.6	75.1	75.1	75.1	75.1	75.1	75.1
GE 250	59.2	63.9	67.8	70.2	73.8	74.1	74.8	75.8	76.2	77.0	77.5	77.5	77.5	77.5	77.5	77.5
GE 200	60.6	66.4	70.6	73.0	77.0	77.3	78.3	79.3	79.8	80.6	81.2	81.2	81.2	81.2	81.2	81.2
GE 180	61.1	67.1	71.3	73.6	77.7	78.0	79.0	80.0	80.5	81.6	82.2	82.2	82.2	82.2	82.2	82.2
GE 150	62.6	68.8	73.2	75.9	79.9	80.4	81.4	82.6	83.1	84.4	85.0	85.0	85.0	85.0	85.0	85.0
GE 120	64.4	71.3	75.7	78.6	82.9	83.3	84.5	85.7	86.4	87.7	88.3	88.3	88.3	88.3	88.3	88.3
GE 100	66.2	73.5	78.0	81.2	85.7	86.3	87.6	89.0	89.7	91.0	91.7	91.7	91.7	91.7	91.7	91.7
GE 90	66.4	74.3	78.8	82.2	86.8	87.7	89.0	90.4	91.4	92.7	93.4	93.4	93.4	93.4	93.4	93.4
GE 80	66.9	75.3	79.9	83.2	88.4	89.4	90.7	92.1	93.1	94.4	95.2	95.2	95.2	95.2	95.2	95.2
GE 70	67.1	75.8	80.5	83.8	89.1	90.1	91.4	92.8	93.9	95.2	95.9	95.9	95.9	95.9	95.9	95.9
GE 60	67.5	76.6	81.4	84.9	90.4	91.4	92.7	94.1	95.2	96.5	97.2	97.2	97.2	97.2	97.2	97.2
GE 50	67.5	76.8	81.7	85.2	91.0	92.0	93.3	94.7	95.7	97.2	97.9	97.9	97.9	97.9	97.9	97.9
GE 40	67.5	76.6	81.7	85.3	91.5	92.4	94.1	95.5	96.6	98.0	98.7	98.7	98.7	98.7	98.7	98.7
GE 30	67.5	77.0	81.6	85.5	91.6	92.6	94.2	95.6	96.7	98.1	98.9	98.9	98.9	98.9	98.9	98.9
GE 20	67.5	77.0	81.8	85.5	91.7	92.9	94.6	96.0	97.0	98.5	99.2	99.2	99.2	99.2	99.2	99.2
GE 10	67.5	77.0	81.8	85.5	91.7	92.9	94.6	96.0	97.0	98.5	99.2	99.2	99.2	99.2	99.2	99.2
GE 0	67.5	77.0	81.8	85.5	91.7	92.9	94.6	96.0	97.0	98.5	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(UTC): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 9/16	GE 1/4	GE 0
NO CEIL	43.5	45.9	46.8	46.9	47.8	48.1	48.1	48.1	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.2
GE 20000	48.2	50.9	51.9	52.0	52.5	52.2	53.2	53.3	53.3	53.4	53.5	53.5	53.5	53.5	53.5	53.5
GE 18000	48.7	51.4	52.4	52.5	53.3	53.7	53.7	53.8	53.8	53.9	54.0	54.0	54.0	54.0	54.0	54.0
GE 16000	48.8	51.5	52.5	52.6	53.4	53.8	53.8	53.9	53.9	54.0	54.1	54.1	54.1	54.1	54.1	54.1
GE 14000	49.3	52.0	53.0	53.1	53.9	54.3	54.3	54.4	54.4	54.5	54.6	54.6	54.6	54.6	54.6	54.6
GE 12000	50.7	53.5	54.5	54.6	55.6	55.9	55.9	56.0	56.0	56.1	56.3	56.3	56.3	56.3	56.3	56.3
GE 10000	52.1	55.2	56.2	56.4	57.3	57.7	57.7	57.8	57.8	57.9	58.0	58.0	58.0	58.0	58.0	58.0
GE 9000	53.1	56.3	57.2	57.3	58.4	58.7	58.7	58.9	58.9	59.0	59.1	59.1	59.1	59.1	59.1	59.1
GE 8000	55.2	58.4	59.3	59.6	60.9	61.2	61.2	61.3	61.3	61.6	61.7	61.7	61.7	61.7	61.7	61.7
GE 7000	56.9	60.4	61.3	61.7	63.1	63.5	63.5	63.6	63.6	63.8	63.9	63.9	63.9	63.9	63.9	63.9
GE 6000	57.1	61.0	61.9	62.3	63.7	64.1	64.1	64.2	64.2	64.4	64.5	64.5	64.5	64.5	64.5	64.5
GE 5000	58.4	62.6	63.6	64.2	65.7	66.1	66.3	66.4	66.4	66.8	67.0	67.1	67.1	67.1	67.1	67.1
GE 4500	59.6	63.9	65.1	65.5	67.0	67.4	67.6	67.7	68.1	68.3	68.4	68.4	68.4	68.4	68.4	68.4
GE 4000	59.9	64.4	65.6	66.2	67.6	68.0	68.3	68.8	68.9	69.3	69.5	69.6	69.6	69.6	69.6	69.6
GE 3500	60.8	65.7	67.0	67.6	69.4	69.7	70.4	70.6	70.9	71.2	71.3	71.3	71.3	71.3	71.3	71.3
GE 3000	61.9	67.1	68.6	69.3	71.2	71.5	72.2	72.5	72.8	73.0	73.4	73.4	73.4	73.4	73.4	73.4
GE 2500	62.6	68.8	70.3	71.0	73.2	73.5	74.2	74.5	74.8	75.1	75.4	75.4	75.4	75.4	75.4	75.4
GE 2000	64.5	70.9	72.6	73.5	75.4	76.1	77.0	77.4	77.8	78.1	78.5	78.5	78.5	78.5	78.5	78.5
GE 1800	65.2	72.0	73.8	74.7	77.4	77.8	78.7	79.2	79.6	79.9	80.3	80.3	80.3	80.3	80.3	80.3
GE 1500	67.0	74.2	76.7	78.0	80.9	81.3	82.5	83.1	83.5	84.0	84.4	84.4	84.4	84.4	84.4	84.4
GE 1200	69.4	76.5	79.9	81.3	84.5	85.0	86.2	86.8	87.1	87.7	88.1	88.1	88.1	88.1	88.1	88.1
GE 1000	70.7	78.6	81.9	83.5	86.8	87.2	88.7	89.2	89.6	90.2	90.8	90.8	90.8	90.8	90.8	90.8
GE 900	72.0	80.3	83.7	85.5	88.8	89.2	90.7	91.5	92.0	92.8	93.3	93.3	93.3	93.3	93.3	93.3
GE 800	72.6	81.0	84.5	86.2	89.5	90.1	91.6	92.4	93.0	94.1	94.6	94.6	94.6	94.6	94.6	94.6
GE 700	72.7	81.2	84.9	86.5	89.4	90.4	92.0	93.0	93.6	94.7	95.2	95.2	95.2	95.2	95.2	95.2
GE 600	72.9	81.8	85.5	87.4	90.7	91.4	92.9	94.2	94.9	96.2	96.8	96.8	96.8	96.8	96.8	96.8
GE 500	73.0	82.3	86.1	88.1	91.4	92.1	93.7	95.0	96.0	97.3	97.9	97.9	97.9	97.9	97.9	97.9
GE 400	73.0	82.3	86.1	88.1	91.4	92.1	93.7	95.0	96.0	97.3	97.9	97.9	97.9	97.9	97.9	97.9
GE 300	73.2	82.4	86.2	88.4	91.7	92.7	94.9	96.2	97.2	98.5	99.1	99.1	99.1	99.1	99.1	99.1
GE 200	73.2	82.4	86.2	88.4	92.0	92.9	95.2	96.5	97.4	98.7	99.3	99.3	99.3	99.3	99.3	99.3
GE 100	73.2	82.4	86.2	88.4	92.0	92.9	95.2	96.5	97.4	98.6	99.4	99.4	99.4	99.4	99.4	100.0
GE 0	73.2	82.4	86.2	88.4	92.0	92.9	95.2	96.5	97.4	98.6	99.4	99.4	99.4	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 75-87  
MONTH: SEP HOURS (LST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 7/16	GE 1/4	GE 0	
NO CEIL	46.3	48.5	48.5	48.6	49.0	49.6	49.6	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	
GE 20000	50.7	53.4	53.4	53.6	54.6	54.6	54.7	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	
GE 18000	50.7	53.4	53.4	53.6	54.6	54.6	54.7	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	
GE 16000	50.7	53.4	53.4	53.6	54.6	54.6	54.7	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	
GE 14000	50.9	53.7	53.7	54.0	54.8	54.8	55.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	
GE 12000	51.7	54.4	54.4	54.7	55.6	55.6	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	
GE 10000	53.5	56.3	56.3	56.6	57.4	57.4	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	
GE 9000	55.7	58.5	58.5	58.9	59.8	59.9	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	
GE 8000	57.7	61.0	61.2	61.8	62.4	62.9	63.0	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	
GE 7000	59.1	62.6	63.0	63.6	64.5	64.7	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	
GE 6000	59.8	63.5	63.7	64.3	65.2	65.4	65.5	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	
GE 5000	61.0	64.7	64.9	65.5	66.8	66.9	67.3	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	
GE 4500	62.3	66.3	66.7	67.3	68.6	68.7	69.0	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	
GE 4000	62.5	66.7	67.0	67.7	69.0	69.1	69.6	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	
GE 3500	63.2	67.8	68.4	69.1	70.4	70.6	70.9	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	
GE 3000	64.7	69.7	70.6	71.3	72.6	72.7	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	
GE 2500	65.6	71.2	72.1	72.6	74.2	74.3	74.9	75.4	75.7	75.7	75.7	75.7	75.7	75.7	75.7	
GE 2000	67.0	73.0	74.1	74.7	76.2	76.4	77.0	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	
GE 1800	67.6	73.9	74.9	75.7	77.2	77.3	77.9	78.4	78.6	78.7	78.7	78.7	78.7	78.7	78.7	
GE 1600	71.3	78.3	79.4	80.3	82.4	82.5	83.1	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	
GE 1400	73.4	80.7	82.3	83.1	85.2	85.3	85.9	86.5	86.8	87.0	87.1	87.1	87.1	87.1	87.1	
GE 1200	75.1	82.4	84.6	85.6	87.8	87.9	88.7	89.4	89.7	90.4	90.9	90.9	90.9	90.9	90.9	
GE 900	75.9	83.3	85.9	86.9	89.2	89.4	90.1	91.0	91.6	92.3	92.8	92.8	92.8	92.8	92.8	
GE 800	76.2	84.0	86.5	87.7	90.1	90.2	90.9	92.0	92.6	93.6	94.1	94.1	94.1	94.1	94.1	
GE 700	76.4	84.6	87.2	88.4	90.8	90.9	91.6	92.7	93.4	94.4	94.9	94.9	94.9	94.9	94.9	
GE 600	76.5	84.8	87.4	88.6	91.1	91.3	92.1	93.1	94.1	95.2	95.6	95.6	95.6	95.6	95.6	
GE 500	76.8	85.3	87.9	89.5	92.0	92.1	92.9	94.0	95.0	96.1	96.6	96.6	96.6	96.6	96.6	
GE 400	77.1	85.6	88.2	89.7	92.4	92.4	93.9	94.9	96.0	97.2	97.6	97.6	97.6	97.6	97.6	
GE 300	77.1	85.6	88.2	89.8	92.7	93.1	94.7	96.1	97.2	98.5	99.1	99.1	99.2	99.2	99.3	
GE 200	77.1	85.6	88.2	89.8	92.5	93.3	94.9	96.3	97.4	98.7	99.7	99.7	99.7	99.7	99.7	
GE 100	77.1	85.6	88.2	89.8	92.8	93.3	94.9	96.3	97.4	98.8	99.4	99.4	99.4	99.4	99.4	
GE 0	77.1	85.6	88.2	89.8	92.8	93.3	94.9	96.3	97.4	98.8	99.4	99.4	99.4	99.4	100.0	

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87

MONTH: FEB

HOURS(UTC):

ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 2	GE 3	GE 4	GE 5	GE 6	GE 7	GE 8	GE 9	GE 10	GE 11	GE 12	GE 13	GE 14	GE 15	GE 16
NO CEIL	44.3	46.0	46.8	47.3	48.0	48.1	48.2	48.4	48.4	48.6	48.7	48.8	48.8	48.9	48.9	49.0
GE 20000	48.1	50.1	50.7	51.4	52.1	52.2	52.4	52.6	52.6	52.9	53.0	53.0	53.0	53.1	53.1	53.2
GE 18000	48.4	50.4	51.2	51.7	52.4	52.5	52.7	52.9	52.9	53.1	53.2	53.2	53.2	53.4	53.4	53.5
GE 16000	48.4	50.4	51.2	51.7	52.4	52.5	52.7	52.9	52.9	53.1	53.2	53.2	53.2	53.4	53.4	53.5
GE 14000	48.4	50.4	51.2	51.7	52.4	52.5	52.7	52.9	52.9	53.1	53.2	53.2	53.2	53.4	53.4	53.5
GE 12000	48.4	50.4	51.2	51.7	52.4	52.5	52.7	52.9	52.9	53.1	53.2	53.2	53.2	53.4	53.4	53.5
GE 10000	51.9	54.1	55.0	55.5	56.4	56.5	56.7	57.0	57.0	57.2	57.3	57.3	57.3	57.4	57.4	57.5
GE 9000	53.1	55.3	56.2	56.7	57.7	57.8	58.0	58.3	58.3	58.5	58.6	58.6	58.6	58.7	58.7	58.8
GE 8000	55.3	57.7	58.8	59.5	60.6	60.7	60.9	61.2	61.2	61.5	61.6	61.6	61.6	61.7	61.7	61.8
GE 7000	56.5	59.1	60.2	61.0	62.1	62.3	62.6	62.9	62.9	63.2	63.3	63.3	63.3	63.4	63.4	63.5
GE 6000	57.2	60.0	61.2	62.0	63.2	63.3	63.6	63.9	63.9	64.2	64.3	64.3	64.3	64.4	64.4	64.5
GE 5000	58.5	61.5	62.8	63.7	65.1	65.2	65.6	66.0	66.0	66.3	66.4	66.4	66.4	66.5	66.5	66.6
GE 4000	59.5	62.6	64.1	65.0	66.4	66.5	66.9	67.3	67.3	67.6	67.7	67.7	67.7	67.8	67.8	67.9
GE 3000	59.8	63.0	64.5	65.6	67.2	67.3	67.8	68.2	68.2	68.5	68.6	68.6	68.6	68.7	68.7	68.8
GE 2000	60.6	64.1	65.7	66.9	68.5	68.5	69.2	69.7	69.7	70.0	70.1	70.1	70.1	70.2	70.2	70.3
GE 1000	61.4	65.2	67.1	68.3	70.1	70.3	70.9	71.5	71.5	71.9	72.1	72.1	72.1	72.2	72.2	72.3
GE 25000	62.4	66.6	68.6	69.9	71.9	72.2	72.8	73.3	73.5	74.0	74.2	74.2	74.2	74.3	74.4	74.4
GE 20000	64.0	68.8	71.1	72.6	74.9	75.0	75.7	76.4	76.6	77.1	77.4	77.4	77.4	77.5	77.6	77.7
GE 18000	64.8	69.7	72.2	73.8	76.0	76.2	77.0	77.7	77.9	78.5	78.8	78.8	78.8	78.9	79.0	79.1
GE 16000	66.8	72.0	75.0	76.6	79.2	79.6	80.5	81.4	81.6	82.4	82.6	82.7	82.8	82.9	83.0	83.1
GE 14000	68.9	74.7	77.8	79.7	82.4	82.8	83.7	84.7	85.0	85.8	86.1	86.2	86.2	86.3	86.4	86.5
GE 12000	70.4	76.5	79.6	81.8	84.7	85.1	86.2	87.4	87.4	88.9	89.3	89.3	89.3	89.5	89.5	89.7
GE 10000	71.1	77.4	80.8	82.8	85.8	86.2	87.4	88.7	89.2	90.4	90.9	90.9	90.9	91.1	91.1	91.2
GE 9000	71.4	77.9	81.4	83.4	86.5	87.0	88.2	89.5	90.1	91.3	91.8	91.8	91.8	92.0	92.0	92.1
GE 8000	71.6	78.3	81.8	83.9	87.0	87.5	88.7	90.1	90.8	92.0	92.6	92.6	92.6	92.8	92.8	93.1
GE 7000	71.8	78.7	82.3	84.5	87.7	88.3	89.7	91.2	91.8	93.1	93.9	93.9	93.9	94.1	94.1	94.4
GE 6000	72.1	79.2	82.9	85.1	88.6	89.2	90.7	92.2	93.0	94.3	95.0	95.1	95.1	95.3	95.3	95.6
GE 5000	72.7	79.7	83.3	85.8	89.4	90.2	91.7	93.2	94.0	95.5	96.2	96.3	96.3	96.5	96.5	96.8
GE 4000	72.4	79.6	83.4	85.9	89.7	90.6	92.1	93.6	94.4	95.9	96.6	96.7	96.7	96.9	96.9	97.2
GE 3000	72.4	79.6	83.4	85.9	89.7	90.6	92.1	93.6	94.4	95.9	96.6	96.7	96.7	96.9	96.9	97.2
GE 2000	72.4	79.6	83.4	85.9	89.7	90.6	92.1	93.6	94.4	95.9	96.6	96.7	96.7	96.9	96.9	97.2
GE 1000	72.4	79.6	83.4	85.9	89.7	90.6	92.1	93.6	94.4	95.9	96.6	96.7	96.7	96.9	96.9	97.2
GE 01	72.4	79.6	83.4	85.9	89.7	90.6	92.1	93.6	94.4	95.9	96.6	96.7	96.7	96.9	96.9	97.2

TOTAL NUMBER OF OBSERVATIONS: 676P

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(UT): 0000-0600

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 1/6	GE 1/4
NO CELL	52.2	52.8	53.5	53.9	54.2	54.2	54.4	54.4	54.4	54.4	54.5	54.5	54.5	54.5	54.5	54.6
GE 20000	54.9	55.7	56.5	56.8	57.1	57.1	57.3	57.3	57.7	57.4	57.4	57.4	57.4	57.4	57.4	57.5
GE 18000	55.1	55.8	56.6	56.9	57.2	57.2	57.4	57.4	57.4	57.4	57.5	57.5	57.5	57.5	57.5	57.6
GE 16000	55.1	55.8	56.6	56.9	57.2	57.2	57.4	57.4	57.4	57.4	57.5	57.5	57.5	57.5	57.5	57.6
GE 14000	55.6	56.3	57.1	57.4	57.7	57.7	58.0	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.2
GE 12000	56.6	57.3	58.1	58.4	58.7	58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.1
GE 10000	58.5	59.4	60.2	60.5	61.0	61.0	61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.4
GE 9000	59.2	60.1	61.0	61.3	61.7	61.7	61.9	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.2
GE 8000	61.5	62.6	63.4	63.6	64.2	64.2	64.5	64.5	64.5	64.6	64.7	64.7	64.7	64.7	64.7	64.8
GE 7000	62.3	63.3	64.2	64.5	64.9	64.9	65.3	65.3	65.3	65.4	65.5	65.5	65.5	65.5	65.5	65.6
GE 6000	62.7	63.9	64.7	65.1	65.5	65.5	65.8	65.8	65.8	65.9	66.0	66.0	66.0	66.0	66.0	66.1
GE 5000	64.3	65.7	66.6	66.9	67.7	67.7	68.1	68.1	68.1	68.2	68.3	68.3	68.3	68.3	68.3	68.4
GE 4500	67.2	68.6	69.7	70.1	71.2	71.2	71.5	71.6	71.6	71.7	71.8	71.8	71.8	71.8	71.8	71.9
GE 4000	67.8	69.7	70.5	71.1	72.5	72.5	72.8	72.9	72.9	73.0	73.1	73.1	73.1	73.1	73.1	73.2
GE 3500	68.6	70.6	71.5	72.2	73.7	73.7	74.0	74.3	74.3	74.4	74.5	74.5	74.5	74.5	74.5	74.6
GE 3000	70.1	72.2	73.1	73.8	75.4	75.4	75.7	76.0	76.0	76.1	76.2	76.2	76.2	76.2	76.2	76.3
GE 2500	71.6	74.2	75.3	76.0	77.7	77.7	78.1	78.4	78.4	78.5	78.6	78.6	78.6	78.6	78.6	78.7
GE 2000	73.0	75.7	76.9	77.6	79.4	79.4	79.8	80.1	80.1	80.3	80.4	80.4	80.4	80.4	80.4	80.5
GE 1800	73.1	75.8	77.3	77.7	79.5	79.5	79.9	80.2	80.3	80.8	80.9	80.9	80.9	80.9	80.9	81.0
GE 1500	74.0	77.1	78.3	79.3	80.9	80.9	81.6	81.9	82.0	82.5	82.6	82.6	82.6	82.6	82.6	82.7
GE 1200	74.8	78.2	79.5	80.4	82.7	82.8	83.7	84.1	84.2	84.7	84.8	84.8	84.8	84.8	84.8	84.9
GE 1000	75.2	78.6	80.2	81.3	84.3	84.5	85.7	86.5	86.7	87.3	87.5	87.6	87.6	87.7	87.7	87.8
GE 900	75.3	78.8	80.4	81.5	84.6	84.8	86.1	86.9	87.1	87.8	88.1	88.2	88.3	88.3	88.3	88.4
GE 800	75.6	79.5	81.2	82.6	85.9	86.1	87.4	88.2	88.4	89.1	89.4	89.5	89.6	89.7	89.7	89.8
GE 700	75.8	80.0	82.3	83.7	87.3	87.5	88.9	89.7	89.9	90.6	90.9	91.0	91.1	91.2	91.2	91.3
GE 600	76.0	80.3	82.9	84.4	88.3	88.5	90.4	91.2	91.5	92.3	92.5	92.6	92.7	92.8	92.8	92.9
GE 500	76.0	80.8	83.3	84.8	89.4	89.6	92.2	93.4	93.8	94.5	94.9	95.1	95.2	95.3	95.3	95.4
GE 400	76.2	81.0	83.7	85.2	89.5	90.2	92.6	93.9	94.2	94.9	95.4	95.5	95.6	95.7	95.7	95.8
GE 300	76.2	81.0	83.8	85.3	90.0	90.4	92.8	94.2	94.6	95.7	96.1	96.2	96.3	96.5	96.5	96.7
GE 200	76.2	81.0	83.8	85.3	90.1	90.5	93.1	94.9	95.9	96.9	97.5	97.6	97.8	98.0	98.0	98.7
GE 100	76.2	81.0	83.8	85.5	90.3	90.8	93.3	95.3	96.1	97.2	98.2	98.5	98.7	98.8	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS: 250

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 76-87  
MONTH: MAR HOURS/SET: 0100-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 7/16	GE 1/4	GE 1/8	GE 0
NO CEIL	57.3	52.3	52.6	52.8	57.2	63.2	57.2	53.4	53.4	63.4	57.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
GE 20000	53.0	54.9	55.3	55.5	55.9	55.9	55.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 16000	53.1	55.1	55.4	55.6	56.0	56.0	56.0	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
GE 14000	53.1	55.1	55.4	55.6	56.0	56.0	56.0	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
GE 12000	53.2	55.2	55.5	55.7	56.1	56.1	56.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
GE 10000	54.0	55.9	56.2	56.5	56.9	56.9	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 8000	55.5	57.7	58.1	58.3	58.7	58.7	58.7	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
GE 6000	55.6	57.8	58.2	58.4	58.8	58.8	58.8	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 4000	57.7	60.3	60.6	60.9	61.3	61.3	61.3	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
GE 3000	58.7	61.4	61.8	62.0	62.5	62.5	62.5	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
GE 2000	59.2	62.0	62.5	62.7	63.1	63.1	63.1	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
GE 1800	61.1	64.5	64.9	65.3	65.8	65.8	65.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 1600	64.3	67.7	68.3	68.7	69.5	69.5	69.5	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 1400	64.8	68.6	69.1	69.7	70.5	70.6	70.6	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 1200	65.9	69.6	70.4	71.0	71.8	71.9	71.9	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 1000	66.8	71.0	71.6	72.2	73.0	73.1	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
GE 900	68.8	73.2	73.9	74.4	75.4	75.5	75.5	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
GE 800	70.2	74.9	75.7	76.3	77.3	77.4	77.4	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
GE 700	70.6	75.5	76.2	76.9	77.8	78.0	78.4	78.8	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 600	71.9	76.8	77.6	78.4	79.4	79.5	80.0	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
GE 500	73.0	78.4	79.4	80.2	81.6	81.8	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 400	73.9	79.4	80.2	81.5	83.0	83.2	84.1	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
GE 300	74.1	80.2	81.7	82.6	84.1	84.3	85.2	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 200	74.3	80.8	82.5	83.7	85.2	85.5	86.5	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 100	74.6	81.1	82.9	84.2	85.8	86.1	87.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 0	74.9	82.0	84.1	85.5	87.2	87.5	88.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 800	75.1	82.2	84.4	85.8	88.3	88.6	90.5	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 700	75.2	82.3	84.5	85.9	88.4	88.7	90.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 600	75.2	82.3	84.5	85.9	88.4	88.7	90.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 500	75.2	82.3	84.5	85.9	88.4	88.7	90.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 400	75.2	82.3	84.5	85.9	88.4	88.7	90.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 300	75.2	82.3	84.5	85.9	88.4	88.7	90.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 200	75.2	82.3	84.5	85.9	88.4	88.7	90.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 100	75.2	82.3	84.5	85.9	88.4	88.7	90.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 0	75.2	82.3	84.5	85.9	88.4	88.7	90.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(IST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES														
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	44.7	46.9	47.4	47.6	48.2	48.3	48.3	48.4	48.4	48.4	48.5	48.5	48.6	48.7	48.7
GE 20000	47.2	49.4	49.9	50.4	50.9	51.0	51.0	51.1	51.1	51.1	51.2	51.2	51.3	51.4	51.5
GE 18000	47.5	49.8	50.3	50.9	51.3	51.4	51.4	51.5	51.5	51.5	51.6	51.6	51.7	51.8	51.9
GE 16000	47.5	49.6	50.3	50.9	51.3	51.4	51.4	51.5	51.5	51.5	51.6	51.6	51.7	51.8	51.9
GE 14000	49.0	50.2	50.6	51.3	51.7	51.8	51.8	51.9	51.9	51.9	52.0	52.0	52.2	52.3	52.4
GE 12000	49.6	51.8	52.4	53.3	53.7	53.9	53.9	54.0	54.0	54.0	54.1	54.1	54.2	54.3	54.4
GE 10000	51.2	53.5	54.1	54.9	55.7	55.9	55.9	56.0	56.0	56.0	56.1	56.1	56.2	56.3	56.5
GE 9000	52.4	54.7	55.3	56.1	56.9	57.1	57.1	57.2	57.2	57.2	57.3	57.3	57.4	57.5	57.6
GE 8000	54.0	56.6	57.2	58.1	58.9	59.1	59.1	59.2	59.2	59.2	59.4	59.4	59.5	59.6	59.7
GE 7000	56.0	58.8	59.6	60.4	61.3	61.5	61.6	61.7	61.7	61.7	61.8	61.8	61.9	62.0	62.2
GE 6000	56.3	59.1	59.9	60.9	61.7	61.9	62.0	62.3	62.3	62.3	62.4	62.4	62.5	62.6	62.7
GE 5000	59.6	61.6	62.6	63.7	64.5	64.7	64.8	65.1	65.1	65.1	65.2	65.2	65.3	65.4	65.5
GE 4000	60.4	62.6	63.6	64.7	65.5	65.7	65.8	66.1	66.1	66.1	66.2	66.2	66.3	66.4	66.5
GE 3000	61.2	64.5	65.5	67.1	68.2	68.5	68.8	69.0	69.0	69.0	69.1	69.1	69.2	69.4	69.5
GE 2000	62.3	65.7	67.1	68.4	69.7	70.1	70.4	70.8	70.8	70.8	70.9	70.9	71.0	71.1	71.2
GE 1000	62.7	66.6	68.1	69.7	71.1	71.5	71.5	72.3	72.3	72.3	72.4	72.4	72.5	72.6	72.7
GE 2500	64.1	69.4	69.9	71.6	73.0	73.4	73.9	74.2	74.2	74.2	74.3	74.3	74.4	74.5	74.6
GE 2000	65.4	69.7	71.3	73.0	74.5	74.9	75.5	75.8	75.8	75.8	75.9	75.9	76.0	76.1	76.2
GE 1800	65.8	70.2	71.8	73.5	75.2	75.6	76.2	76.6	76.6	76.6	76.7	76.7	76.8	76.9	77.0
GE 1500	67.0	71.7	73.3	75.1	77.0	77.4	78.4	78.7	78.8	78.8	78.9	78.9	79.0	79.1	79.2
GE 1200	69.6	73.9	75.4	77.7	79.9	80.3	81.4	81.8	81.8	81.8	81.9	81.9	82.0	82.2	82.4
GE 1000	69.9	75.3	77.5	79.8	82.3	82.7	84.1	84.6	84.7	84.8	85.2	85.2	85.3	85.4	85.6
GE 900	70.0	76.1	78.4	80.8	83.3	83.9	85.3	85.9	86.0	86.1	86.5	86.5	86.6	86.7	86.9
GE 800	70.5	77.0	79.2	81.7	84.3	84.8	86.3	87.0	87.1	87.3	87.6	87.6	87.8	88.0	88.2
GE 700	70.9	77.5	79.8	82.3	84.8	85.4	87.0	87.6	87.7	88.0	88.3	88.4	88.9	89.1	89.2
GE 600	71.1	78.0	80.5	83.0	85.6	86.3	88.1	88.7	88.8	89.0	89.5	89.8	90.3	90.4	91.0
GE 500	71.3	78.3	81.1	83.5	86.5	87.0	88.9	89.2	89.9	90.4	91.7	91.3	91.8	92.0	92.6
GE 400	71.7	78.3	81.1	83.5	86.8	87.3	89.5	90.9	91.0	91.6	92.6	93.1	93.8	94.0	94.7
GE 300	71.3	78.4	81.2	83.8	87.0	87.5	90.4	92.4	92.8	93.9	95.1	95.7	96.3	96.6	97.3
GE 200	71.4	78.5	81.3	83.9	87.1	87.6	90.5	92.6	93.3	94.6	95.9	96.5	97.2	97.5	98.4
GE 100	71.4	78.5	81.3	83.9	87.1	87.6	90.5	92.6	93.3	94.6	95.9	96.5	97.2	97.5	98.4
GE 0	71.4	78.5	81.3	83.9	87.1	87.6	90.5	92.6	93.3	94.6	95.9	96.5	97.2	97.5	98.4

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(EST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 7/16	GE 1/4	GE 0
NO CEIL	44.0	46.1	46.6	47.1	47.7	48.0	48.1	48.1	48.1	48.3	48.4	48.4	48.4	48.4	48.4	48.4
GE 2000	47.7	50.0	50.5	51.1	51.7	52.0	52.3	52.3	52.3	52.5	52.6	52.6	52.6	52.6	52.6	52.6
GE 1800	49.2	50.6	51.2	51.7	52.4	52.7	52.9	52.9	52.9	53.1	53.2	53.2	53.2	53.2	53.2	53.2
GE 1600	48.2	50.6	51.2	51.7	52.4	52.7	52.9	52.9	52.9	53.1	53.2	53.2	53.2	53.2	53.2	53.2
GE 1400	49.0	51.6	52.2	52.7	53.7	54.0	54.2	54.2	54.2	54.4	54.5	54.5	54.5	54.5	54.5	54.5
GE 1200	49.4	52.2	52.7	53.2	54.4	54.7	54.9	54.9	54.9	55.2	55.3	55.3	55.3	55.3	55.3	55.4
GE 1000	51.9	54.9	55.7	56.2	57.5	57.8	58.1	58.3	58.3	58.5	58.6	58.6	58.6	58.6	58.6	58.7
GE 900	52.3	55.5	56.3	56.9	58.2	58.5	58.7	58.9	58.9	59.1	59.2	59.2	59.2	59.2	59.2	59.4
GE 800	54.0	57.4	58.4	58.9	60.2	60.5	60.8	61.0	61.0	61.2	61.3	61.3	61.3	61.3	61.3	61.4
GE 700	55.7	59.4	60.4	61.1	62.4	62.7	62.9	63.1	63.1	63.3	63.4	63.4	63.4	63.4	63.4	63.5
GE 600	56.3	60.0	61.1	61.7	63.1	63.5	63.8	64.0	64.0	64.2	64.3	64.3	64.3	64.3	64.3	64.4
GE 500	57.7	61.4	62.6	63.2	64.7	65.2	65.4	65.6	65.6	65.8	66.1	66.1	66.1	66.1	66.1	66.2
GE 450	57.4	61.9	63.1	63.8	65.5	65.9	66.1	66.5	66.5	66.7	67.0	67.0	67.0	67.0	67.0	67.1
GE 400	58.4	62.9	64.1	65.1	66.8	67.2	67.5	68.0	68.0	68.2	68.6	68.6	68.6	68.6	68.6	68.7
GE 350	59.5	64.0	65.2	66.2	68.1	68.5	68.9	69.4	69.4	69.6	70.0	70.0	70.0	70.0	70.0	70.1
GE 300	60.4	65.5	66.7	67.8	69.9	70.3	70.8	71.4	71.4	71.7	72.2	72.2	72.2	72.2	72.2	72.3
GE 250	61.6	67.0	68.2	69.4	71.4	71.8	72.3	73.0	73.0	73.3	73.4	73.8	73.8	73.8	73.8	73.9
GE 200	63.5	69.2	70.5	71.7	73.4	74.3	75.1	76.0	76.0	76.3	76.8	76.8	76.8	76.8	76.8	76.9
GE 180	63.7	69.5	70.8	71.9	74.1	74.6	75.6	76.6	76.6	76.9	77.7	77.3	77.3	77.3	77.3	77.4
GE 150	64.7	71.1	72.4	73.5	75.9	76.5	78.0	79.0	79.0	79.4	79.6	79.8	79.8	79.8	79.8	79.9
GE 120	67.3	74.3	75.9	77.2	79.7	80.2	81.8	83.0	83.0	83.4	83.9	83.9	83.9	83.9	83.9	84.0
GE 100	68.0	75.1	76.8	78.3	81.1	81.6	83.2	84.6	84.6	85.1	85.6	85.6	85.6	85.6	85.6	85.7
GE 90	68.4	76.0	78.0	79.6	82.5	83.1	84.7	86.5	86.5	87.0	87.6	87.6	87.6	87.6	87.6	87.7
GE 80	68.7	76.6	78.5	80.4	83.3	84.0	85.6	87.3	87.4	87.8	88.5	88.5	88.5	88.5	88.5	88.6
GE 70	69.2	77.4	79.5	81.5	84.5	85.2	86.8	88.5	88.6	89.2	90.1	90.1	90.1	90.1	90.1	90.4
GE 60	69.9	78.1	80.5	82.7	86.3	87.1	88.7	90.4	90.5	91.2	92.0	92.0	92.0	92.0	92.0	92.7
GE 50	69.9	78.1	80.6	83.1	87.3	88.1	89.9	91.9	92.2	93.2	94.3	94.3	94.6	94.7	94.7	95.2
GE 40	69.9	78.1	80.8	83.4	87.8	88.7	90.8	92.9	93.3	94.7	95.7	96.0	96.3	96.5	96.5	96.9
GE 30	69.9	78.1	80.8	83.4	88.2	89.0	91.3	93.4	94.1	96.0	97.7	97.3	97.6	97.7	97.7	98.2
GE 20	69.9	78.1	80.8	83.4	88.2	89.0	91.4	93.5	94.2	96.3	97.8	98.0	98.3	98.4	98.4	98.8
GE 10	69.9	78.1	80.8	83.4	88.2	89.0	91.4	93.5	94.2	96.5	98.1	98.2	98.6	98.7	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(EST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 4/10	GE 1/4
NO CELL	48.0	49.9	50.4	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
GE 20000	52.3	54.7	55.3	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
GE 18000	52.6	55.1	55.6	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
GE 16000	52.6	55.1	55.6	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
GE 14000	52.9	55.4	55.9	56.0	56.1	56.2	56.2	56.2	56.2	56.3	56.5	56.5	56.5	56.6	56.6	56.6
GE 12000	53.8	56.3	57.0	57.1	57.2	57.3	57.3	57.3	57.4	57.4	57.5	57.5	57.5	57.6	57.6	57.6
GE 10000	55.4	58.1	58.7	58.8	58.9	59.0	59.2	59.4	59.4	59.4	59.6	59.6	59.7	59.7	59.7	59.7
GE 9000	55.8	58.6	59.2	59.4	59.5	59.6	59.6	59.6	59.9	59.9	60.1	60.1	60.1	60.2	60.2	60.2
GE 8000	56.0	60.8	61.5	61.6	61.7	61.8	62.0	62.3	62.3	62.3	62.5	62.6	62.6	62.7	62.7	62.7
GE 7000	56.0	61.8	62.7	62.8	63.0	63.1	63.3	63.5	63.5	63.5	63.8	63.9	63.9	64.0	64.0	64.0
GE 6000	59.0	61.8	62.8	62.9	63.1	63.2	63.4	63.7	63.7	63.7	63.9	64.0	64.0	64.1	64.1	64.1
GE 5000	60.5	63.4	64.5	64.6	64.8	64.9	65.2	65.4	65.4	65.4	65.6	65.8	65.9	65.9	65.9	65.9
GE 4000	60.6	63.9	65.1	65.3	65.5	65.6	65.8	66.0	66.0	66.0	66.2	66.6	66.6	66.7	66.7	66.7
GE 4000	61.7	65.1	66.2	66.5	66.7	66.8	67.1	67.4	67.4	67.4	67.7	68.3	68.3	68.4	68.4	68.4
GE 3500	62.3	65.6	66.8	67.2	67.5	67.6	68.1	68.4	68.5	68.5	68.8	69.4	69.4	69.5	69.5	69.5
GE 3000	64.3	68.2	69.4	69.9	70.4	70.5	71.0	71.5	71.5	71.6	72.0	72.6	72.6	72.7	72.7	72.7
GE 2500	65.8	70.4	71.7	72.3	72.7	73.0	73.4	74.1	74.2	74.6	75.2	75.2	75.3	75.3	75.3	75.3
GE 2000	67.8	72.9	74.5	75.2	75.8	75.9	76.3	77.4	77.5	78.0	78.5	78.5	78.6	78.6	78.6	78.6
GE 1800	68.4	73.7	75.4	76.0	76.9	77.0	77.6	78.7	78.8	79.2	79.8	79.8	79.9	79.9	79.9	79.9
GE 1600	70.9	77.2	78.9	79.6	80.4	80.6	81.4	82.5	82.6	83.0	83.5	83.7	83.9	83.9	83.9	83.9
GE 1200	73.8	81.4	83.3	84.1	85.2	85.5	86.3	87.5	87.6	88.4	89.0	89.1	89.4	89.4	89.4	89.4
GE 1000	74.3	82.7	85.2	85.9	87.2	87.5	88.4	89.8	89.9	90.6	91.3	91.4	91.8	91.8	91.8	91.8
GE 900	74.6	83.5	86.0	86.9	88.3	88.6	89.5	91.0	91.1	91.8	92.5	92.6	93.0	93.0	93.0	93.0
GE 800	75.2	84.2	86.7	87.5	89.0	89.5	90.3	91.8	91.9	92.3	93.1	93.4	93.7	93.9	93.9	93.9
GE 700	75.4	84.6	87.1	88.0	89.5	89.9	90.9	92.5	92.6	93.4	94.1	94.2	94.6	94.6	94.6	94.6
GE 600	75.4	84.6	87.2	88.1	89.7	90.1	91.1	93.0	93.1	94.0	94.8	94.9	95.4	95.4	95.4	95.5
GE 500	75.4	84.6	87.3	88.3	90.3	90.9	91.9	94.1	94.2	95.3	96.1	96.2	96.8	96.8	96.8	96.9
GE 400	75.4	84.7	87.5	88.7	91.2	91.6	93.0	95.2	95.4	96.5	97.3	97.4	98.0	98.1	98.1	98.2
GE 300	75.4	84.7	87.6	88.9	91.4	92.0	93.5	95.7	96.0	97.3	98.2	98.3	98.8	98.9	98.9	99.0
GE 200	75.4	84.7	87.6	88.9	91.4	92.0	93.5	95.7	96.0	97.4	98.5	98.6	99.1	99.2	99.2	99.4
GE 100	75.4	84.7	87.6	88.9	91.4	92.0	93.5	95.7	96.0	97.4	98.6	99.0	99.7	99.8	99.9	100.0
GE 0	75.4	84.7	87.6	88.9	91.4	92.0	93.5	95.7	96.0	97.4	98.8	99.0	99.7	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(EST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
	1	10	6	5	4	3	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0
NO CEIL	45.7	48.2	48.4	48.6	48.8	48.9	49.0	49.0	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1
GE 20000	52.3	54.1	54.3	54.5	54.7	54.8	54.9	54.9	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GE 18000	53.0	54.8	55.1	55.3	55.5	55.6	55.7	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8
GE 16000	53.0	54.8	55.1	55.3	55.5	55.6	55.7	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8
GE 14000	53.7	55.5	55.7	55.9	56.1	56.2	56.3	56.3	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5
GE 12000	54.7	56.7	57.0	57.2	57.5	57.6	57.7	57.7	57.7	57.8	58.0	58.0	58.0	58.0	58.0	58.0
GE 10000	57.3	59.6	59.9	60.1	60.4	60.5	60.6	60.6	60.6	60.9	61.0	61.0	61.0	61.0	61.0	61.0
GE 9000	58.1	60.4	60.6	61.0	61.3	61.4	61.5	61.5	61.5	61.7	61.8	61.8	61.8	61.8	61.8	61.8
GE 8000	60.3	62.9	63.2	63.4	63.8	63.9	64.0	64.0	64.0	64.2	64.3	64.3	64.3	64.3	64.3	64.3
GE 7000	61.4	64.0	64.3	64.5	64.8	64.9	65.1	65.1	65.1	65.3	65.4	65.4	65.4	65.4	65.4	65.4
GE 6000	61.6	64.2	64.5	64.7	65.1	65.2	65.3	65.3	65.3	65.5	65.6	65.6	65.6	65.6	65.6	65.6
GE 5000	63.2	65.9	66.2	66.5	67.0	67.1	67.2	67.2	67.2	67.4	67.7	67.7	67.7	67.7	67.7	67.7
GE 4500	63.4	66.2	66.6	66.8	67.3	67.4	67.5	67.5	67.5	67.7	68.1	68.1	68.1	68.1	68.1	68.1
GE 4000	64.3	67.1	67.4	67.6	68.2	68.3	68.6	68.7	68.7	68.9	69.2	69.2	69.2	69.2	69.2	69.2
GE 3500	65.1	68.1	68.4	68.6	69.1	69.2	69.6	69.7	69.7	70.0	70.3	70.3	70.3	70.3	70.3	70.3
GE 3000	67.5	71.2	71.6	71.8	72.5	72.6	72.9	73.1	73.1	73.4	73.7	73.7	73.7	73.7	73.7	73.7
GE 2500	70.3	74.8	75.3	75.5	76.3	76.5	76.8	77.0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE 2000	73.7	77.8	78.3	78.7	79.6	79.7	80.0	80.3	80.3	80.9	81.4	81.4	81.4	81.4	81.4	81.4
GE 1800	73.8	79.9	79.4	79.8	80.6	80.6	81.1	81.5	81.5	82.3	82.4	82.4	82.4	82.4	82.4	82.4
GE 1500	76.2	82.5	82.9	83.4	84.4	84.5	84.8	85.3	85.3	86.1	86.7	86.7	86.7	86.7	86.7	86.7
GE 1200	77.7	84.6	85.2	85.7	87.0	87.1	87.7	88.5	88.6	89.7	90.7	90.7	90.7	90.7	90.7	90.7
GE 1000	78.2	86.0	86.7	87.3	88.6	88.7	89.4	90.2	90.5	91.0	91.2	91.2	91.2	91.2	91.2	91.2
GE 900	78.3	86.9	87.6	88.4	90.1	90.2	90.9	91.7	92.0	93.1	93.7	93.7	93.7	93.7	93.7	93.7
GE 800	78.3	87.1	88.0	88.8	90.6	90.8	91.4	92.3	92.6	93.7	94.3	94.3	94.3	94.3	94.3	94.3
GE 700	78.5	87.4	88.3	89.1	91.2	91.3	92.0	93.0	93.3	94.5	95.2	95.2	95.2	95.2	95.2	95.2
GE 600	78.8	88.0	88.9	89.9	92.0	92.2	93.1	94.2	94.6	95.9	96.6	96.6	96.6	96.6	96.6	96.6
GE 500	78.8	88.3	89.2	90.4	92.6	92.9	93.9	95.2	95.6	97.1	97.7	97.7	97.7	97.7	97.7	97.7
GE 400	78.8	88.3	89.4	90.5	92.9	93.0	94.1	95.4	95.8	97.4	98.1	98.1	98.1	98.1	98.1	98.1
GE 300	78.8	88.3	89.4	90.5	93.0	93.1	94.2	95.7	96.1	97.8	98.5	98.5	98.5	98.5	98.5	98.5
GE 200	78.8	88.3	89.4	90.5	93.0	93.1	94.2	95.7	96.1	98.0	98.7	98.7	98.7	98.7	98.7	98.7
GE 100	78.8	88.3	89.4	90.5	93.0	93.1	94.2	95.7	96.1	98.1	98.9	98.9	98.9	98.9	98.9	98.9

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS (LST): 1600-2000

CEILING		VISIBILITY IN STATUTE MILES															
IN	FEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
FEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
NO CEIL	48.8	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 20000	53.3	54.8	55.1	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE 18000	53.7	55.3	55.5	55.5	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
GE 16000	53.7	55.4	55.6	55.6	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
GE 14000	54.0	55.8	56.0	56.0	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
GE 12000	55.6	57.5	57.7	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
GE 10000	58.4	60.5	60.8	60.8	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
GE 9000	59.0	61.2	61.4	61.4	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
GE 8000	60.9	63.1	63.3	63.3	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
GE 7000	61.8	64.1	64.3	64.3	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
GE 6000	61.9	64.3	64.5	64.5	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 5000	64.4	67.1	67.4	67.4	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 4000	65.3	68.2	68.6	68.6	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 3000	65.6	68.5	69.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 2500	66.7	69.0	69.6	69.6	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
GE 2000	69.1	71.5	72.0	72.0	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE 1500	71.1	75.1	75.6	75.6	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
GE 1000	72.9	77.2	78.0	78.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
GE 800	73.2	78.0	78.7	78.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE 600	75.1	80.4	81.3	81.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 400	76.1	81.9	82.9	82.9	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
GE 300	76.7	82.7	83.9	83.9	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 200	76.8	83.3	84.7	84.7	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 100	76.8	83.8	85.2	85.2	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 50	77.0	84.1	85.6	85.6	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 30	77.1	84.5	86.3	86.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 20	77.7	85.3	87.3	87.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 10	77.7	85.4	87.4	87.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 5	77.7	85.4	87.5	87.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 2	77.7	85.4	87.5	87.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 1	77.7	85.4	87.5	87.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 0	77.7	85.4	87.5	87.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 74-87  
MONTH: MAR HOURS: 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1	10	6	5	4	3	2	1 1/2	1	1/2	1 1/4	1	3/4	5/8	1/2	1/4
NO CEIL	48.4	49.2	49.8	50.2	50.9	50.8	51.0	51.0	51.0	51.2	51.2	51.2	51.2	51.2	51.2	51.3
GE 20000	51.2	52.8	53.4	53.9	54.4	54.4	54.6	54.6	54.6	54.8	54.8	54.8	54.8	54.8	54.8	54.9
GE 18000	51.6	53.2	53.9	54.3	54.8	54.8	55.1	55.1	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.4
GE 16000	51.6	53.2	53.9	54.3	54.8	54.8	55.1	55.1	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.4
GE 14000	52.2	53.8	54.4	54.8	55.4	55.4	55.6	55.6	55.6	55.8	55.8	55.8	55.8	55.8	55.8	55.9
GE 12000	53.7	55.3	55.9	56.3	56.9	56.9	57.1	57.1	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.4
GE 10000	56.6	58.5	59.1	59.6	60.1	60.1	60.3	60.3	60.3	60.5	60.5	60.5	60.5	60.5	60.5	60.6
GE 9000	57.1	59.0	59.7	60.1	60.6	60.6	60.9	60.9	60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.1
GE 8000	58.9	60.9	61.5	61.9	62.6	62.6	62.8	62.8	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.1
GE 7000	60.0	61.9	62.6	63.0	63.7	63.7	63.9	63.9	63.9	64.1	64.1	64.1	64.1	64.1	64.1	64.2
GE 6000	60.6	62.6	63.2	63.7	64.3	64.3	64.5	64.5	64.5	64.7	64.7	64.7	64.7	64.7	64.7	64.8
GE 5000	62.3	64.6	65.3	65.7	66.6	66.6	66.8	67.3	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.3
GE 4500	64.2	67.1	67.7	68.2	69.0	69.0	69.2	69.5	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.8
GE 4000	64.7	67.8	68.7	69.2	70.1	70.1	70.3	70.5	70.5	70.8	70.8	70.8	70.8	70.8	70.8	70.9
GE 3500	65.6	68.7	69.6	70.2	71.1	71.1	71.3	71.6	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.9
GE 3000	67.0	70.3	71.3	71.9	73.1	73.1	73.3	73.7	73.7	73.9	73.9	73.9	73.9	73.9	73.9	74.0
GE 2500	69.9	74.2	75.3	75.9	77.1	77.1	77.3	77.6	77.6	77.8	77.8	77.8	77.8	77.8	77.8	78.0
GE 2000	71.3	75.9	77.2	77.8	79.1	79.1	79.4	79.7	79.7	79.9	79.9	79.9	79.9	79.9	79.9	80.0
GE 1800	71.4	76.0	77.4	78.2	79.6	79.6	79.8	80.2	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.5
GE 1600	72.5	77.7	79.2	80.0	81.7	81.7	81.9	82.5	82.5	82.9	82.9	82.9	82.9	82.9	82.9	83.0
GE 1400	74.7	80.4	82.2	83.3	85.5	85.5	85.8	86.5	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.2
GE 1200	75.6	81.4	83.3	84.5	86.6	86.6	86.7	87.0	87.0	87.6	87.6	87.6	87.6	87.6	87.6	87.7
GE 1000	75.9	81.6	83.0	84.4	86.1	86.1	86.2	86.6	86.6	87.4	87.4	87.4	87.4	87.4	87.4	87.5
GE 900	76.2	82.2	84.3	85.6	88.6	88.6	88.7	89.1	89.1	89.9	89.9	89.9	89.9	89.9	89.9	90.0
GE 800	76.3	82.5	84.7	86.2	89.8	89.8	90.0	90.5	90.5	91.4	91.4	91.4	91.4	91.4	91.4	91.5
GE 700	76.5	82.7	84.8	86.3	90.1	90.1	90.3	91.1	91.1	92.0	92.0	92.0	92.0	92.0	92.0	92.1
GE 600	76.6	83.1	85.4	86.9	91.3	91.3	91.8	92.6	92.6	93.4	93.4	93.4	93.4	93.4	93.4	93.5
GE 500	76.6	83.4	85.9	87.5	92.3	92.3	92.8	93.9	93.9	95.1	95.1	95.1	95.1	95.1	95.1	95.2
GE 400	76.6	83.4	85.9	87.5	92.3	92.3	92.8	93.9	93.9	95.1	95.1	95.1	95.1	95.1	95.1	95.2
GE 300	76.6	83.4	85.9	87.5	92.3	92.3	92.8	93.9	93.9	95.1	95.1	95.1	95.1	95.1	95.1	95.2
GE 200	76.6	83.4	85.9	87.5	92.3	92.3	92.8	93.9	93.9	95.1	95.1	95.1	95.1	95.1	95.1	95.2
GE 100	76.6	83.4	85.9	87.5	92.3	92.3	92.8	93.9	93.9	95.1	95.1	95.1	95.1	95.1	95.1	95.2
GE 0	76.6	83.4	85.9	87.5	92.3	92.3	92.8	93.9	93.9	95.1	95.1	95.1	95.1	95.1	95.1	95.2

TOTAL NUMBER OF OBSERVATIONS: 730

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS (EST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 7/16	GE 1/4
NO CEIL	47.9	49.4	49.9	50.1	50.5	50.5	50.6	50.7	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.9
GE 20000	51.5	53.3	53.5	54.1	54.4	54.5	54.6	54.6	54.6	54.8	54.8	54.8	54.8	54.8	54.8	54.9
GE 18000	51.8	53.7	54.2	54.5	54.8	54.9	55.0	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.2
GE 16000	51.8	53.7	54.2	54.5	54.9	54.9	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.2
GE 14000	52.3	54.2	54.7	55.0	55.4	55.5	55.6	55.6	55.6	55.7	55.8	55.8	55.8	55.8	55.8	55.9
GE 12000	53.4	55.4	55.9	56.2	56.7	56.7	56.8	56.9	56.9	57.0	57.1	57.1	57.1	57.1	57.1	57.2
GE 10000	55.6	57.8	58.3	58.7	59.2	59.3	59.4	59.5	59.5	59.6	59.7	59.7	59.7	59.7	59.7	59.8
GE 9000	56.2	58.4	59.0	59.3	59.8	59.9	60.1	60.1	60.1	60.3	60.3	60.3	60.3	60.3	60.4	60.4
GE 8000	58.2	60.6	61.2	61.5	62.1	62.2	62.3	62.4	62.4	62.5	62.6	62.6	62.6	62.6	62.6	62.7
GE 7000	59.4	61.8	62.5	62.8	63.4	63.5	63.7	63.8	63.8	63.9	64.0	64.0	64.0	64.1	64.1	64.1
GE 6000	59.7	62.2	62.9	63.3	63.9	64.0	64.1	64.2	64.2	64.4	64.5	64.5	64.5	64.5	64.5	64.6
GE 5000	61.5	64.3	65.0	65.4	66.1	66.3	66.4	66.5	66.5	66.6	66.7	66.8	66.8	66.9	66.9	66.9
GE 4000	62.9	66.0	66.8	67.2	68.1	68.2	68.4	68.6	68.6	68.7	68.9	68.9	68.9	68.9	68.9	69.0
GE 3000	63.6	66.8	67.6	68.2	69.1	69.2	69.5	69.7	69.7	69.9	70.1	70.1	70.1	70.1	70.1	70.2
GE 2000	64.4	67.7	68.6	69.2	70.1	70.3	70.6	70.9	70.9	71.1	71.3	71.3	71.3	71.3	71.3	71.4
GE 1000	65.9	69.5	70.5	71.2	72.3	72.4	72.7	73.1	73.1	73.3	73.5	73.5	73.5	73.5	73.5	73.6
GE 800	67.9	72.2	73.1	73.8	75.0	75.2	75.5	75.9	76.0	76.2	76.4	76.4	76.4	76.4	76.4	76.5
GE 600	69.7	74.2	75.3	76.1	77.3	77.5	77.9	78.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.8
GE 400	70.0	74.7	75.8	76.6	77.9	78.1	78.6	79.2	79.2	79.5	79.5	79.5	79.5	79.5	79.5	79.6
GE 300	71.5	76.8	78.0	78.9	80.1	80.5	81.2	81.6	81.8	82.3	82.5	82.5	82.5	82.5	82.5	82.6
GE 200	71.7	76.1	77.6	78.5	80.1	80.5	81.6	81.8	82.3	82.5	82.5	82.5	82.5	82.5	82.5	82.6
GE 100	73.9	80.1	81.8	82.9	84.9	85.2	86.1	87.0	87.1	87.8	88.7	89.2	89.4	89.5	89.5	89.6
GE 80	74.2	80.6	82.6	83.6	85.0	85.3	87.3	88.3	88.5	89.2	89.6	89.6	89.6	89.6	89.6	89.7
GE 60	74.4	81.4	83.0	84.6	86.4	86.7	88.2	89.2	89.4	90.1	90.5	90.5	90.5	90.5	90.5	90.6
GE 40	74.7	81.8	83.9	85.2	87.7	88.0	89.1	90.2	90.4	91.0	91.7	91.7	91.7	91.7	91.7	91.8
GE 30	75.0	82.3	84.4	85.9	89.6	89.9	91.3	91.5	91.7	92.5	93.0	93.1	93.1	93.1	93.1	93.2
GE 20	75.1	82.6	84.8	86.4	89.6	90.0	91.6	93.1	93.3	94.4	94.9	95.0	95.0	95.0	95.0	95.1
GE 10	75.1	82.7	85.0	86.7	90.0	90.5	92.1	93.8	94.1	95.2	95.9	96.1	96.1	96.1	96.1	96.2
GE 8	75.1	82.7	85.1	86.8	90.2	90.7	92.5	94.3	94.7	96.0	97.0	97.1	97.1	97.1	97.1	97.2
GE 6	75.1	82.7	85.1	86.8	90.2	90.7	92.5	94.3	94.7	96.0	97.0	97.1	97.1	97.1	97.1	97.2
GE 4	75.1	82.7	85.1	86.8	90.2	90.7	92.5	94.3	94.7	96.0	97.0	97.1	97.1	97.1	97.1	97.2
GE 3	75.1	82.7	85.1	86.8	90.2	90.7	92.5	94.3	94.7	96.0	97.0	97.1	97.1	97.1	97.1	97.2
GE 2	75.1	82.7	85.1	86.8	90.2	90.7	92.5	94.3	94.7	96.0	97.0	97.1	97.1	97.1	97.1	97.2
GE 1	75.1	82.7	85.1	86.8	90.2	90.7	92.5	94.3	94.7	96.0	97.0	97.1	97.1	97.1	97.1	97.2

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
USAF/CIAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(LEST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE C
NO CEIL	65.7	66.0	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.5	66.9	66.9	66.9	66.9	66.9	66.9
GE 20000	69.4	69.8	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.7	70.7	70.7	70.7	70.7	70.7	70.7
GE 18000	69.8	70.1	70.7	70.8	70.8	70.8	70.8	70.8	70.8	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 16000	69.8	70.1	70.7	70.8	70.8	70.8	70.8	70.8	70.8	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 14000	70.0	70.3	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 12000	70.7	71.0	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 10000	73.1	73.4	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.3	74.3	74.3	74.3	74.3	74.3	74.3
GE 9000	73.6	73.9	74.4	74.6	74.6	74.6	74.6	74.6	74.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8
GE 8000	75.4	75.9	76.4	76.8	77.0	77.0	77.1	77.1	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 7000	77.4	78.3	78.9	79.2	79.4	79.4	79.6	79.6	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE 6000	78.0	78.9	79.4	79.8	80.0	80.0	80.1	80.1	80.1	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 5000	78.6	79.6	80.1	80.4	80.7	80.7	80.8	80.8	80.8	81.0	81.0	81.0	81.0	81.0	81.0	81.0
GE 4500	79.3	80.8	81.3	81.7	81.9	81.9	82.0	82.0	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 4000	79.6	81.1	81.7	82.0	82.2	82.2	82.3	82.3	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 3500	80.4	82.3	82.9	83.2	83.4	83.6	83.7	83.7	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 3000	81.6	83.7	84.2	84.6	84.8	84.9	85.1	85.1	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 2500	82.1	84.3	84.8	85.1	85.3	85.3	85.4	85.4	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 2000	84.4	87.1	88.7	89.1	89.3	89.4	89.7	89.7	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 1800	84.9	87.7	89.2	89.7	89.9	90.0	90.2	90.2	90.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7
GE 1600	86.2	89.2	90.9	91.3	91.6	91.7	91.9	91.9	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 1400	86.9	89.9	91.7	92.1	92.4	92.7	92.9	92.9	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 1200	87.1	90.2	92.1	92.6	92.9	93.1	93.4	93.4	93.7	93.9	94.1	94.1	94.1	94.1	94.1	94.1
GE 1000	87.2	90.3	92.3	92.9	93.2	93.6	94.1	94.1	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 900	87.4	90.6	92.6	93.1	93.4	93.8	94.3	94.3	94.7	94.9	95.1	95.1	95.1	95.1	95.1	95.1
GE 800	87.8	91.0	93.0	93.6	93.9	94.2	94.9	94.9	95.2	95.4	95.7	95.7	95.7	95.7	95.7	95.7
GE 700	87.8	91.1	93.1	93.7	94.0	94.3	95.0	95.0	95.3	95.6	95.8	95.8	95.8	95.8	95.8	95.8
GE 600	87.8	91.2	93.2	93.8	94.2	94.6	95.2	95.2	95.7	95.9	96.1	96.1	96.1	96.1	96.1	96.1
GE 500	87.8	91.7	93.6	94.4	95.1	95.4	96.1	96.1	96.4	96.7	97.0	97.0	97.0	97.0	97.0	97.0
GE 400	87.8	91.7	93.9	94.6	95.1	95.6	96.4	96.4	97.1	97.6	98.0	98.0	98.0	98.0	98.0	98.0
GE 300	87.8	91.7	93.9	94.7	95.2	95.7	96.7	96.7	97.3	97.9	98.4	98.4	98.4	98.4	98.4	98.4
GE 200	87.8	91.7	93.9	94.7	95.2	95.7	96.7	96.7	97.3	97.9	98.4	98.4	98.4	98.4	98.4	98.4
GE 100	87.8	91.7	93.9	94.7	95.2	95.7	96.7	96.7	97.3	97.9	98.4	98.4	98.4	98.4	98.4	98.4
GE	87.8	91.7	93.9	94.7	95.2	95.7	96.7	96.7	97.3	97.9	98.4	98.4	98.4	98.4	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS: 400

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS (LST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1	GE 10	GE 6	GE 5	GE 4	GE 3	2 1/2	GE 2	1 1/2	1 1/4	GE 1	1/4	5/8	1/2	5/16	1/4
NO CEIL	63.9	64.7	64.8	65.1	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.6	65.6	65.6
GE 2000	66.1	66.9	67.0	67.3	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.9	67.9	67.9
GE 1800	66.2	67.0	67.1	67.4	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.9	67.9	67.9
GE 1600	66.2	67.0	67.1	67.4	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.9	67.9	67.9
GE 1400	66.2	67.0	67.1	67.4	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.9	67.9	67.9
GE 1200	67.1	67.9	68.0	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.9	68.9	68.9
GE 1000	70.0	70.8	70.9	71.2	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.7	71.7	71.7
GE 900	70.4	71.3	71.4	71.6	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.2	72.2	72.2
GE 800	72.8	73.8	73.9	74.2	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.7	74.7	74.7
GE 700	75.2	76.6	76.7	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.4	77.4	77.4
GE 600	76.8	78.2	78.3	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.1	79.1	79.1
GE 500	79.2	79.8	79.9	80.2	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.7	80.7	80.7
GE 450	79.0	80.8	80.9	81.2	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.7	81.7	81.7
GE 400	79.1	80.9	81.0	81.3	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.8	81.8	81.8
GE 350	80.1	82.1	82.2	82.6	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.2	83.2	83.2
GE 300	81.7	84.0	84.1	84.6	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.4	85.4	85.4
GE 250	82.8	85.1	85.2	85.7	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.6	86.6	86.6
GE 200	84.1	86.7	87.2	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.6	88.6	88.6
GE 180	84.4	87.1	87.7	88.1	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.1	89.1	89.1
GE 160	85.0	87.9	88.4	89.0	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	90.1	90.1	90.1
GE 140	86.6	89.9	90.6	91.1	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.4	92.4	92.4
GE 120	87.0	90.7	91.7	92.2	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.9	93.9	93.9
GE 100	87.7	91.1	92.1	92.7	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	94.6	94.6	94.6
GE 90	87.3	91.2	92.3	93.2	94.1	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	95.1	95.1	95.1
GE 80	87.4	91.6	92.7	93.6	94.8	95.0	95.3	95.4	95.4	95.4	95.4	95.4	95.4	96.4	96.4	96.4
GE 70	87.6	91.7	92.8	93.7	94.9	95.1	95.4	95.7	95.7	95.7	95.7	95.7	95.7	96.7	96.7	96.7
GE 60	87.9	92.1	93.4	94.3	95.6	95.8	96.1	96.3	96.4	96.4	96.4	96.4	96.4	97.6	97.6	97.6
GE 50	87.8	92.4	93.8	94.8	96.3	96.6	97.0	97.4	97.6	97.6	97.6	97.6	97.6	98.8	98.8	98.8
GE 40	87.8	92.4	93.8	94.8	96.3	96.6	97.0	97.4	97.6	97.6	97.6	97.6	97.6	98.8	98.8	98.8
GE 30	87.8	92.4	93.8	94.8	96.3	96.6	97.0	97.4	97.6	97.6	97.6	97.6	97.6	98.8	98.8	98.8
GE 20	87.8	92.4	93.8	94.8	96.3	96.6	97.0	97.4	97.6	97.6	97.6	97.6	97.6	98.8	98.8	98.8
GE 10	87.8	92.4	93.8	94.8	96.3	96.6	97.0	97.4	97.6	97.6	97.6	97.6	97.6	98.8	98.8	98.8

TOTAL NUMBER OF OBSERVATIONS: 900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 74-87  
MONTH: APR HOURS(CEILING): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
NO CEIL	56.4	57.8	58.3	58.0	58.9	58.9	59.0	59.1	59.1	59.1	59.1	59.2	59.2	59.3	59.3	59.3
GE 20000	59.0	60.4	61.1	61.6	61.7	61.4	62.0	62.2	62.2	62.2	62.2	62.3	62.3	62.4	62.4	62.4
GE 18000	59.7	61.1	61.9	62.2	62.6	62.6	62.7	62.9	62.9	62.9	62.9	63.0	63.0	63.1	63.1	63.1
GE 16000	59.7	61.1	61.8	62.2	62.6	62.6	62.7	62.9	62.9	62.9	62.9	63.0	63.0	63.1	63.1	63.1
GE 14000	59.7	61.1	61.9	62.2	62.6	62.6	62.7	62.9	62.9	62.9	62.9	63.0	63.0	63.1	63.1	63.1
GE 12000	61.2	62.7	63.4	63.9	64.2	64.2	64.3	64.6	64.6	64.6	64.6	64.7	64.7	64.8	64.8	64.8
GE 10000	63.6	65.2	65.2	66.4	66.8	66.8	66.9	67.1	67.1	67.1	67.1	67.2	67.2	67.3	67.3	67.3
GE 9000	64.3	66.1	66.4	67.3	67.7	67.8	68.0	68.2	68.2	68.2	68.2	68.3	68.3	68.4	68.4	68.4
GE 8000	67.6	69.8	69.8	70.6	71.0	71.4	71.6	71.6	72.0	72.0	72.0	72.1	72.1	72.2	72.2	72.2
GE 7000	69.9	72.2	73.0	73.4	73.4	73.9	74.0	74.2	74.4	74.4	74.4	74.5	74.5	74.7	74.7	74.7
GE 6000	71.5	73.3	74.1	74.6	75.0	75.1	75.3	75.6	75.6	75.6	75.6	75.7	75.7	75.8	75.8	75.8
GE 5000	73.1	75.8	76.7	77.3	77.8	77.9	78.1	78.3	78.3	78.3	78.3	78.4	78.4	78.6	78.6	78.6
GE 4500	74.2	77.1	78.0	78.7	79.1	79.2	79.4	79.7	79.7	79.7	79.7	79.8	79.8	79.9	79.9	79.9
GE 4000	74.6	77.7	78.6	79.2	79.7	79.8	80.0	80.2	80.2	80.2	80.2	80.3	80.3	80.4	80.4	80.4
GE 3500	75.3	78.6	79.7	80.4	80.9	81.0	81.2	81.4	81.4	81.4	81.4	81.6	81.6	81.7	81.7	81.7
GE 3000	76.4	80.1	81.1	81.9	82.3	82.4	82.7	82.9	82.9	82.9	82.9	83.0	83.0	83.1	83.1	83.1
GE 2500	76.7	80.4	81.7	82.6	83.0	83.1	83.3	83.6	83.6	83.6	83.6	83.7	83.7	83.8	83.8	83.8
GE 2000	78.5	82.0	83.6	84.7	85.4	85.7	85.9	86.1	86.1	86.1	86.1	86.2	86.2	86.3	86.3	86.3
GE 1500	79.2	82.3	83.9	85.2	86.0	86.2	86.4	86.7	86.7	86.7	86.7	86.8	86.8	86.9	86.9	86.9
GE 1000	80.3	84.4	86.1	87.3	88.1	88.2	88.4	88.7	88.7	88.7	88.7	88.8	88.8	88.9	88.9	88.9
GE 500	81.9	86.0	87.6	88.9	89.9	90.3	90.6	90.8	90.8	90.8	90.8	90.9	90.9	91.0	91.0	91.0
GE 10000	81.9	86.1	87.7	89.1	90.7	91.4	91.4	91.7	91.7	91.7	91.7	91.8	91.8	91.9	91.9	91.9
GE 9000	81.9	86.1	87.7	89.1	90.7	91.4	91.4	91.7	91.7	91.7	91.7	91.8	91.8	91.9	91.9	91.9
GE 8000	82.6	87.8	89.4	91.0	92.6	93.1	93.4	93.7	93.7	93.7	93.7	93.8	93.8	93.9	93.9	93.9
GE 7000	82.6	87.8	89.4	91.0	92.6	93.1	93.4	93.7	93.7	93.7	93.7	93.8	93.8	93.9	93.9	93.9
GE 6000	82.7	88.0	89.6	91.2	92.7	93.2	93.5	93.8	93.8	93.8	93.8	93.9	93.9	94.0	94.0	94.0
GE 5000	83.7	89.0	90.7	92.3	93.8	94.3	94.6	94.9	94.9	94.9	94.9	95.0	95.0	95.1	95.1	95.1
GE 4000	83.7	89.0	90.7	92.3	93.8	94.3	94.6	94.9	94.9	94.9	94.9	95.0	95.0	95.1	95.1	95.1
GE 3000	83.6	89.2	91.7	93.6	95.2	95.7	96.1	96.8	97.1	97.7	97.9	98.4	98.6	99.1	99.2	99.6
GE 2000	83.6	89.2	91.7	93.6	95.2	95.7	96.4	97.0	97.5	97.9	98.2	98.8	99.0	99.4	99.8	100.0
GE 1000	83.6	89.2	91.7	93.6	95.2	95.7	96.4	97.0	97.5	97.9	98.2	98.8	99.0	99.4	99.8	100.0
GE 500	83.6	89.2	91.7	93.6	95.2	95.7	96.4	97.0	97.5	97.9	98.2	98.8	99.0	99.4	99.8	100.0

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 74-87  
MONTH: APR SUBPERIOD: 0000-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
NO CEIL	61.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 20000	60.7	61.3	61.4	61.4	61.4	61.4	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
GE 18000	60.9	61.4	62.1	62.1	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 16000	60.9	61.4	62.1	62.1	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 14000	61.1	62.3	62.6	62.6	62.6	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
GE 12000	62.1	62.7	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 10000	64.1	65.7	65.9	65.9	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
GE 9000	65.3	66.5	67.1	67.1	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 8000	68.4	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
GE 7000	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
GE 6000	71.0	72.5	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 5000	72.4	74.6	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
GE 4000	73.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 3000	74.7	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
GE 2000	75.1	77.2	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE 1000	76.7	78.7	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
GE 20000	77.3	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 18000	79.5	82.1	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 16000	80.4	83.1	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 14000	82.4	85.4	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 12000	84.2	87.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 10000	84.4	88.6	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 9000	84.7	89.7	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 8000	84.7	90.2	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 7000	84.7	90.2	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 6000	84.7	90.2	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 5000	84.4	91.6	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 4000	84.4	91.6	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 3000	84.4	91.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 2000	84.4	91.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 1000	84.4	91.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4

TOTAL NUMBER OF OBSERVATIONS: 601

GLOBAL CLIMATOLOGY BRANCH  
LAFAYETTE  
AIR WEATHER SERVICE/MAL

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VISION VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72767 STATION NAME: WINDT AIR NO

PERIOD OF RECORD: 1971-1972  
MONTH: APR HOUR: 0100-1400

CEILING		VISIBILITY IN STATUTE MILES																	
FEET	100	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800
NO CEIL	59.2	59.4	59.5	59.2	59.4	59.4	59.7	59.7	59.4	59.4	59.5	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 20000	59.1	59.7	59.9	59.2	59.3	59.3	59.6	59.6	59.7	59.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 18000	59.9	59.4	59.7	59.9	59.1	59.1	59.3	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 16000	59.9	59.4	59.7	59.9	59.1	59.1	59.3	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 14000	59.2	59.4	59.6	59.2	59.4	59.4	59.7	59.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 12000	59.7	59.3	59.6	59.5	59.5	59.5	59.7	59.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 10000	59.0	59.1	59.3	59.5	59.4	59.6	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 9000	59.2	59.3	59.6	59.7	59.0	59.0	59.0	59.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
GE 8000	59.7	59.4	59.7	59.2	59.4	59.4	59.7	59.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 7000	59.5	59.1	59.7	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 6000	59.2	59.4	59.4	59.5	59.5	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 5000	72.0	72.4	72.3	72.6	72.6	72.6	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
GE 4500	72.7	72.4	72.9	72.1	72.6	72.6	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 4000	72.7	72.4	72.9	72.1	72.6	72.6	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 3500	72.7	72.4	72.9	72.1	72.6	72.6	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 3000	72.7	72.4	72.9	72.1	72.6	72.6	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 2500	72.7	72.4	72.9	72.1	72.6	72.6	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 2000	72.7	72.4	72.9	72.1	72.6	72.6	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 1800	72.7	72.4	72.9	72.1	72.6	72.6	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 1600	72.7	72.4	72.9	72.1	72.6	72.6	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 1400	72.7	72.4	72.9	72.1	72.6	72.6	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 1200	72.7	72.4	72.9	72.1	72.6	72.6	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 1000	72.7	72.4	72.9	72.1	72.6	72.6	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 900	72.7	72.4	72.9	72.1	72.6	72.6	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 800	72.7	72.4	72.9	72.1	72.6	72.6	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 700	72.7	72.4	72.9	72.1	72.6	72.6	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 600	72.7	72.4	72.9	72.1	72.6	72.6	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 500	72.7	72.4	72.9	72.1	72.6	72.6	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 400	72.7	72.4	72.9	72.1	72.6	72.6	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 300	72.7	72.4	72.9	72.1	72.6	72.6	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 200	72.7	72.4	72.9	72.1	72.6	72.6	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 100	72.7	72.4	72.9	72.1	72.6	72.6	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4

TOTAL NUMBER OF OBSERVATIONS: 100

GLOBAL CLIMATOLOGY BRANCH  
USAF/CIAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINGT AFB NO

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS: 1127-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 1/4	GE 1/8
NO CEIL	53.0	53.7	54.0	54.2	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
GE 20000	54.4	59.2	59.6	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GE 18000	59.2	60.0	60.3	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 16000	59.2	60.0	60.3	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 14000	59.3	60.1	60.4	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
GE 12000	59.6	60.3	60.7	60.9	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
GE 10000	62.7	63.7	64.7	64.2	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
GE 9000	67.7	64.7	65.0	65.2	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 8000	66.7	67.4	67.4	68.1	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 7000	67.1	68.3	68.4	69.0	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 6000	64.0	65.2	69.7	69.9	70.7	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
GE 5000	75.3	71.7	72.1	72.3	72.9	72.9	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
GE 4500	71.6	71.1	72.7	73.9	74.4	74.4	74.4	74.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE 4000	71.3	71.1	72.7	72.9	74.4	74.4	74.4	74.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE 3500	72.7	72.1	72.6	73.0	73.7	73.7	73.7	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 3000	80.1	84.4	85.1	85.3	86.0	86.0	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 2500	86.6	86.3	86.0	86.0	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 2000	87.1	90.0	91.0	91.0	92.0	92.0	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
GE 1800	87.4	90.0	91.4	91.6	92.6	92.6	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 1600	88.0	91.4	92.7	93.0	94.0	94.0	94.0	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 1400	89.6	92.7	93.6	94.1	95.0	95.0	95.0	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 1200	89.1	93.2	94.0	94.8	95.0	95.1	95.1	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 1000	89.7	93.6	94.6	95.1	95.0	95.0	95.0	95.0	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 900	89.7	93.6	94.6	95.1	95.0	95.0	95.0	95.0	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 800	89.7	93.6	94.6	95.1	95.0	95.0	95.0	95.0	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 700	89.7	93.6	94.6	95.1	95.0	95.0	95.0	95.0	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 600	89.7	93.6	94.6	95.1	95.0	95.0	95.0	95.0	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 500	89.7	93.6	94.6	95.1	95.0	95.0	95.0	95.0	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 400	89.7	93.6	94.6	95.1	95.0	95.0	95.0	95.0	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 300	89.7	93.6	94.6	95.1	95.0	95.0	95.0	95.0	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 200	89.7	93.6	94.6	95.1	95.0	95.0	95.0	95.0	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 100	89.7	93.6	94.6	95.1	95.0	95.0	95.0	95.0	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4

TOTAL NUMBER OF OBSERVATIONS: 51

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 74-87  
MONTH: APRIL YEAR: 1987-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
NO CELL	15.6	16.6	56.7	60.9	57.1	57.2	57.3	57.6	57.4	57.0	57.6	57.6	57.6	57.7	57.4	57.4
GE 20000	61.7	62.8	62.9	61.1	62.4	62.4	62.6	63.4	63.8	63.4	63.4	63.4	63.4	63.4	64.0	64.0
GE 18000	62.2	64.3	64.4	64.7	65.1	65.0	65.1	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 16000	62.4	64.6	64.7	64.9	65.2	65.2	65.2	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 14000	62.9	65.0	65.1	65.1	65.7	65.7	65.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 12000	64.9	66.9	66.1	66.3	66.7	66.7	66.7	66.8	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 10000	66.7	68.9	67.2	67.3	67.7	67.7	67.8	68.1	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
GE 9000	68.3	67.6	67.7	68.0	68.3	68.3	68.4	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
GE 8000	69.4	71.1	71.1	71.4	71.9	71.9	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
GE 7000	71.1	72.4	72.9	73.1	73.4	73.4	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 6000	72.7	73.8	74.1	74.1	74.6	74.6	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
GE 5000	74.7	76.4	76.7	76.9	77.1	77.1	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE 4000	76.1	77.9	78.1	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
GE 3000	78.4	80.4	81.1	81.4	82.0	82.0	82.1	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 2000	80.7	82.4	82.9	83.1	83.7	83.7	84.1	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 1000	84.1	85.4	86.2	86.4	87.0	87.0	87.7	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 500	88.4	89.4	89.7	90.1	90.4	90.4	91.7	91.4	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 200	91.7	92.3	91.0	91.0	92.7	92.7	92.7	92.4	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 100	92.4	92.4	91.4	92.1	92.1	92.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 50	92.7	92.7	92.1	92.4	92.4	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 20	92.4	92.4	92.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 10	92.4	92.4	92.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 5	92.4	92.4	92.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 2	92.4	92.4	92.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 1	92.4	92.4	92.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4

TOTAL NUMBER OF OBSERVATIONS: 1000

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-81  
MONTH: APR HOUR(S) 0000-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1	GE 1/2	GE 3/4	GE 1	GE 1 1/4	GE 1 1/2	GE 1 3/4	GE 2	GE 2 1/2	GE 3	GE 3 1/4	GE 3 1/2	GE 3 3/4	GE 4	GE 4 1/4	GE 4 1/2
NO CLIL	64.8	65.3	65.4	65.7	66.0	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
GE 20000	69.7	69.1	69.2	69.4	69.5	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 18000	69.4	69.2	69.3	69.6	69.9	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE 16000	69.6	69.3	69.4	69.7	70.0	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
GE 14000	69.6	69.3	69.4	69.7	70.0	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
GE 12000	69.3	70.1	70.2	70.5	70.9	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 10000	70.6	71.3	71.4	71.8	72.1	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
GE 9000	71.4	72.2	72.3	72.7	73.0	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
GE 8000	73.9	74.9	75.0	75.4	76.0	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
GE 7000	76.4	76.9	77.0	77.4	78.0	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
GE 6000	76.4	77.4	77.6	78.0	78.6	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 5000	79.0	79.0	79.1	79.6	80.0	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 4500	79.6	80.6	80.7	81.1	81.6	81.9	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
GE 4000	80.0	81.4	81.6	82.0	82.5	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 3500	81.9	83.4	83.6	84.0	84.6	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE 3000	83.8	85.1	86.2	86.7	87.6	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 2500	86.8	88.3	89.7	89.1	90.0	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 2000	89.6	89.6	90.0	90.0	91.4	91.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 1800	87.7	90.3	91.1	91.0	92.4	91.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 1600	87.4	91.4	91.3	91.4	93.1	92.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 1400	87.9	91.0	92.1	92.7	94.1	94.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 1200	88.1	91.4	92.7	93.1	94.7	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 1000	88.1	91.7	93.1	93.7	95.3	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 900	88.1	91.8	93.2	93.4	95.4	95.4	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 800	88.1	92.1	93.7	94.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 700	88.1	92.1	93.9	94.4	96.1	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 600	88.1	92.1	93.9	94.4	96.1	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 500	88.1	92.2	93.9	94.4	96.1	96.6	96.9	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 400	88.4	92.3	94.0	94.6	96.4	96.4	97.1	97.6	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 300	88.4	92.3	94.0	94.6	96.7	97.0	97.6	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 200	88.4	92.3	94.0	94.6	96.7	97.0	97.6	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 100	88.4	92.3	94.0	94.6	96.7	97.0	97.6	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 01	88.4	92.3	94.0	94.6	96.7	97.0	97.6	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 917

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS (LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
	1	10	6	5	4	3	2	1 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16
	1	10	6	5	4	3	2	1 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16
NO CEIL	59.0	59.8	60.0	60.3	60.4	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.7	60.7	60.7	60.7
GE 20000	62.7	63.5	63.5	64.0	64.3	64.3	64.4	64.4	64.4	64.5	64.5	64.5	64.5	64.6	64.6	64.6
GE 18000	63.3	64.1	64.4	64.7	64.9	64.9	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.2	65.2	65.2
GE 16000	63.3	64.2	64.5	64.7	64.9	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.2	65.2	65.2	65.3
GE 14000	63.5	64.4	64.7	64.9	65.1	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.4	65.4	65.4	65.4
GE 12000	64.4	65.4	65.7	65.9	66.2	66.2	66.3	66.3	66.3	66.4	66.4	66.4	66.5	66.5	66.5	66.5
GE 10000	65.6	67.6	67.9	68.2	68.5	68.5	68.6	68.6	68.6	68.7	68.7	68.7	68.7	68.8	68.8	68.8
GE 9000	67.4	68.5	68.8	69.1	69.3	69.4	69.4	69.5	69.5	69.5	69.5	69.6	69.6	69.6	69.7	69.7
GE 8000	70.1	71.3	71.7	72.0	72.3	72.3	72.4	72.5	72.5	72.6	72.6	72.6	72.6	72.7	72.7	72.7
GE 7000	71.9	73.3	73.7	73.9	74.3	74.3	74.4	74.5	74.5	74.5	74.5	74.5	74.6	74.7	74.7	74.7
GE 6000	72.7	74.1	74.5	74.8	75.2	75.2	75.3	75.4	75.4	75.4	75.4	75.5	75.5	75.5	75.5	75.6
GE 5000	74.4	76.1	76.4	76.8	77.2	77.2	77.3	77.4	77.4	77.4	77.4	77.5	77.5	77.5	77.5	77.6
GE 4000	75.5	77.2	77.6	77.9	78.4	78.4	78.5	78.6	78.6	78.6	78.6	78.7	78.7	78.8	78.8	78.8
GE 3000	76.8	78.8	79.2	79.5	80.0	80.0	80.1	80.2	80.2	80.2	80.3	80.4	80.4	80.5	80.5	80.5
GE 2000	79.1	82.3	80.7	81.1	81.6	81.6	81.7	81.8	81.8	81.9	81.9	82.0	82.0	82.0	82.1	82.1
GE 1000	82.5	82.9	83.4	83.8	84.4	84.4	84.5	84.6	84.7	84.7	84.7	84.8	84.8	84.9	84.9	84.9
GE 2000	82.4	85.0	85.6	86.1	86.6	86.7	86.8	86.9	87.0	87.0	87.0	87.1	87.1	87.2	87.2	87.2
GE 2000	84.0	86.8	87.7	88.3	89.1	89.1	89.2	89.3	89.4	89.5	89.5	89.5	89.5	89.6	89.6	89.6
GE 1800	84.4	87.4	88.3	88.9	89.6	89.7	89.9	90.0	90.0	90.1	90.1	90.2	90.2	90.3	90.3	90.3
GE 1500	85.6	88.7	89.6	90.3	91.0	91.1	91.3	91.4	91.5	91.7	91.9	91.9	91.9	91.9	91.9	91.9
GE 1200	86.4	89.6	90.9	91.6	92.5	92.6	92.8	93.0	93.0	93.2	93.6	93.6	93.7	93.7	93.7	93.7
GE 1000	86.9	90.5	91.7	92.5	93.5	93.6	93.8	94.0	94.0	94.4	94.6	94.7	94.8	94.8	94.8	94.8
GE 900	87.1	90.9	92.2	93.0	94.1	94.2	94.5	94.7	94.8	95.1	95.1	95.5	95.5	95.7	95.7	95.7
GE 800	87.4	91.2	92.6	93.4	94.5	94.7	95.1	95.3	95.4	95.8	96.1	96.2	96.4	96.4	96.4	96.5
GE 700	87.5	91.4	92.9	93.8	95.0	95.2	95.6	95.8	95.9	96.3	96.7	96.7	96.9	97.0	97.0	97.1
GE 600	87.6	91.5	93.0	94.0	95.2	95.5	95.8	96.1	96.3	96.7	97.1	97.2	97.4	97.4	97.4	97.5
GE 500	87.7	91.6	93.3	94.3	95.6	95.8	96.2	96.5	96.8	97.2	97.6	97.7	97.9	97.9	98.0	98.0
GE 400	87.8	92.0	93.6	94.6	96.1	96.3	96.8	97.2	97.4	97.9	98.3	98.4	98.6	98.7	98.7	98.8
GE 300	87.8	92.1	93.7	94.7	96.3	96.5	97.1	97.6	97.8	98.4	98.8	98.9	99.1	99.2	99.3	99.4
GE 200	87.8	92.1	93.7	94.7	96.3	96.6	97.1	97.7	97.9	98.5	99.0	99.0	99.3	99.4	99.5	99.6
GE 100	87.8	92.1	93.7	94.7	96.3	96.6	97.1	97.7	97.9	98.5	99.0	99.1	99.4	99.5	99.6	99.8
GE 0	87.8	92.1	93.7	94.7	96.3	96.6	97.1	97.7	97.9	98.5	99.0	99.1	99.4	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: HINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: MAY HOURS(EST): 0000-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	5 1/2	6	6 1/2	7	7 1/2	8	8 1/2
NO CEIL	64.8	64.9	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 2000	68.4	68.5	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 1800	68.6	68.7	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 1600	68.6	68.7	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 1400	68.7	68.8	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 1200	70.1	70.2	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 1000	73.0	73.1	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
GE 900	73.4	73.5	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
GE 800	76.2	76.6	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 700	78.1	78.4	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 600	79.1	79.5	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 500	81.9	82.5	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 450	84.0	84.8	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 400	84.4	85.3	85.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 350	85.5	86.5	86.8	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 300	86.9	87.8	88.2	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 250	87.4	88.5	88.9	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 200	88.1	89.2	89.7	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 180	89.4	89.6	90.0	90.5	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 150	89.8	91.3	91.8	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 120	90.2	91.7	92.4	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 100	90.8	92.3	92.0	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 90	91.1	92.6	93.4	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 80	91.2	92.7	93.5	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 70	91.4	93.0	93.9	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 60	91.7	93.4	94.5	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 50	91.7	93.9	94.9	96.0	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 40	92.0	94.4	95.7	96.9	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 30	92.0	94.4	95.9	97.1	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 20	92.0	94.4	95.9	97.1	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 10	92.0	94.4	95.9	97.2	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 0	92.0	94.4	95.9	97.2	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: MAY HOURS (LST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	1	GE 1"	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	61.0	61.0	61.3	61.5	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 20000	64.4	64.4	64.4	65.1	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.5
GE 18000	64.6	64.6	65.1	65.3	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.7
GE 16000	64.6	64.6	65.1	65.3	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.7
GE 14000	65.2	65.2	65.6	65.8	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.2
GE 12000	66.2	66.2	66.7	66.9	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.3
GE 10000	69.1	69.1	69.6	69.8	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.2
GE 9000	70.6	70.6	71.1	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.7
GE 8000	74.9	74.9	75.4	75.6	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	76.0
GE 7000	77.3	77.3	77.7	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.4
GE 6000	78.0	78.0	78.4	78.6	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	79.0
GE 5000	80.1	80.1	80.5	80.8	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.2
GE 4500	82.4	82.4	82.8	83.1	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.5
GE 4000	82.8	83.0	83.5	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.3
GE 3500	83.7	83.9	84.4	84.7	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.2
GE 3000	85.1	85.3	85.8	86.2	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.8
GE 2500	85.5	85.8	86.5	87.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.5
GE 2000	86.3	87.0	87.6	88.2	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.7
GE 1800	86.6	87.2	88.0	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	89.0
GE 1500	88.3	89.1	89.9	90.4	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	91.0
GE 1200	88.9	89.8	90.5	91.1	91.4	91.4	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.6
GE 1000	89.6	90.5	91.4	91.9	92.3	92.3	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.5
GE 900	90.1	91.2	92.0	92.6	92.9	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.1
GE 800	92.3	91.4	92.4	92.9	93.2	93.2	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.4
GE 700	90.4	91.5	92.5	93.3	93.7	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.9
GE 600	90.8	92.0	93.3	94.2	94.6	94.6	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.8
GE 500	90.9	92.7	94.0	94.8	95.4	95.4	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.6
GE 400	91.1	93.3	94.3	95.7	96.5	96.5	96.5	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.9
GE 300	91.4	94.0	95.6	96.5	97.3	97.3	97.3	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.7
GE 200	91.4	94.0	95.7	96.8	97.6	97.6	97.6	97.6	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.7
GE 100	91.4	94.0	95.7	96.8	97.6	97.6	97.6	97.6	98.3	98.5	98.7	99.0	99.1	99.1	99.1	99.1	99.8
GE 0	91.4	94.0	95.7	96.8	97.6	97.6	97.6	97.6	98.3	98.5	98.7	99.0	99.1	99.1	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: MAY HOURS (LST): 0600-0600

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1	GE 1	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	57.7	58.3	59.0	59.6	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.1	60.1	60.1	60.1	60.1
GE 20000	61.1	61.8	62.6	63.1	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.7	63.7	63.7	63.7	63.7
GE 18000	61.1	61.9	62.7	63.2	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.8	63.8	63.8	63.8	63.8
GE 16000	61.1	61.7	62.7	63.2	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.8	63.8	63.8	63.8	63.8
GE 14000	61.3	62.2	62.9	63.4	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.0	64.0	64.0	64.0	64.0
GE 12000	62.0	62.9	63.7	64.2	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.7	64.7	64.7	64.7	64.7
GE 10000	65.1	66.0	66.9	67.3	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8
GE 9000	67.1	68.1	68.8	69.4	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.9	69.9	69.9	69.9	69.9
GE 8000	70.6	71.7	72.7	73.2	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.8	73.8	73.8	73.8	73.8
GE 7000	73.2	74.3	75.3	75.8	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.3	76.3	76.3	76.3	76.3
GE 6000	73.4	74.5	75.5	76.0	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.6	76.6	76.6	76.6	76.6
GE 5000	75.8	77.0	78.1	78.7	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.2	79.2	79.2	79.2	79.2
GE 4500	76.6	77.7	79.0	79.8	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.4	80.4	80.4	80.4	80.4
GE 4000	77.0	78.2	79.5	80.2	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.9	80.9	80.9	80.9	80.9
GE 3500	77.8	79.4	80.6	81.4	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.0	82.0	82.0	82.0	82.0
GE 3000	79.6	81.3	82.6	83.3	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.2	84.2	84.2	84.2	84.2
GE 2500	87.1	88.9	89.9	90.8	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.8	91.8	91.8	91.8	91.8
GE 2000	88.4	89.5	90.4	91.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.6	92.6	92.6	92.6	92.6
GE 1800	88.8	89.9	90.8	91.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0
GE 1600	88.8	89.9	90.8	91.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0
GE 1400	88.8	89.9	90.8	91.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0
GE 1200	88.8	89.9	90.8	91.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0
GE 1000	88.8	89.9	90.8	91.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0
GE 900	88.8	89.9	90.8	91.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0
GE 800	88.8	89.9	90.8	91.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0
GE 700	88.8	89.9	90.8	91.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0
GE 600	88.8	89.9	90.8	91.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0
GE 500	88.8	89.9	90.8	91.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0
GE 400	88.8	89.9	90.8	91.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0
GE 300	88.8	89.9	90.8	91.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0
GE 200	88.8	89.9	90.8	91.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0
GE 100	88.8	89.9	90.8	91.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0
GE 70	88.8	89.9	90.8	91.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: MAY HOURS: 0000-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1	GF 1 1/2	GE 1 1/4	GF 1	GE 3/4	GF 5/8	GE 1/2	GE 7/16	GF 1/4	GF 0
NO CEIL	55.2	5.6	55.9	56.0	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 20000	59.6	60.1	60.4	60.5	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 18000	59.7	60.2	60.5	60.6	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
GE 16000	59.7	60.2	60.5	60.6	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
GE 14000	60.1	60.6	61.0	61.1	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 12000	61.8	62.4	62.7	62.8	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
GE 10000	65.1	65.6	65.9	66.0	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 9000	65.9	66.8	67.1	67.2	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 8000	68.5	69.4	69.7	69.8	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
GE 7000	71.1	71.9	72.3	72.4	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 6000	71.9	72.7	73.0	73.1	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 5000	74.4	75.3	75.6	75.7	76.3	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
GE 4500	75.6	76.5	76.8	76.9	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 4000	76.3	77.2	77.5	77.6	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
GE 3500	76.9	77.7	78.1	78.2	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 3000	79.4	80.3	80.6	81.0	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 2500	81.1	82.4	82.7	83.0	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 2000	83.4	85.5	85.8	86.1	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 1800	84.1	85.9	86.2	86.6	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 1500	86.5	88.4	88.8	89.1	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 1200	89.1	90.4	91.0	91.3	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 1000	88.8	91.5	92.0	92.4	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GF 900	89.2	92.2	93.0	93.3	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 800	89.8	93.2	94.2	94.5	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 700	90.1	93.5	94.5	94.8	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 600	90.5	94.1	95.2	95.6	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 500	90.5	94.5	95.6	96.0	97.7	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 400	90.8	94.8	95.9	96.6	98.4	98.8	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GF 300	90.8	94.9	96.0	96.7	98.6	99.1	99.2	99.5	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	90.8	94.9	96.0	96.8	98.7	99.2	99.4	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	90.8	94.9	96.0	96.8	98.7	99.2	99.4	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GF 0	90.8	94.9	96.0	96.8	98.7	99.2	99.4	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: MAY HOURS (LST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES														
	GE 10	GE 6	GE 5	GF 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GF 5/8	GE 1/2	GF 9/16	GF 1/4
NO CEIL	47.2	48.0	48.4	48.5	48.6	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
GE 20000	54.5	55.4	55.8	55.9	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
GE 18000	54.9	55.8	56.2	56.3	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 16000	54.9	55.6	56.2	56.3	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 14000	55.7	56.6	57.0	57.1	57.2	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
GE 12000	57.2	58.1	58.5	58.6	58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 10000	60.1	61.0	61.4	61.5	61.7	62.0	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 9000	61.1	62.0	62.6	62.6	63.0	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 8000	62.8	63.9	64.4	64.6	64.8	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
GE 7000	64.3	65.6	66.1	66.3	66.6	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 6000	64.7	66.0	66.6	66.8	67.0	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 5000	68.5	69.9	70.4	70.6	70.9	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 4500	70.2	71.6	72.2	72.4	72.6	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
GE 4000	72.5	73.9	74.4	74.6	74.8	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 3500	75.2	76.7	77.2	77.4	77.6	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 3000	79.7	81.3	81.9	82.0	82.3	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 2500	82.5	84.9	85.5	85.8	86.0	86.3	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 2000	84.8	87.4	88.0	88.3	88.5	88.8	88.8	89.0	89.0	89.0	89.0	89.1	89.1	89.1	89.1
GE 1800	85.5	88.1	88.6	88.9	89.1	89.5	89.5	89.7	89.7	89.7	89.7	89.8	89.8	89.8	89.8
GE 1500	86.5	89.2	90.0	90.4	90.6	91.0	91.0	91.3	91.3	91.3	91.4	91.4	91.4	91.4	91.4
GE 1200	88.5	91.8	92.7	93.2	93.4	93.6	93.6	94.1	94.1	94.1	94.2	94.2	94.2	94.2	94.2
GE 1000	89.0	92.6	93.4	94.3	94.5	94.8	94.8	95.2	95.2	95.2	95.4	95.4	95.4	95.4	95.4
GE 900	89.4	93.1	94.1	94.9	95.2	95.6	95.6	95.9	95.9	95.9	96.1	96.1	96.1	96.1	96.1
GE 800	89.6	93.5	94.5	95.4	95.6	96.0	96.0	96.3	96.3	96.3	96.6	96.6	96.6	96.6	96.6
GE 700	89.9	94.1	95.6	96.5	96.9	97.4	97.4	97.7	97.7	97.7	98.0	98.0	98.0	98.0	98.0
GE 600	90.0	94.3	96.0	96.9	97.7	98.3	98.3	98.6	98.6	98.6	98.8	98.8	98.8	98.8	98.8
GE 500	90.2	94.5	96.5	97.3	98.2	98.8	98.9	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6
GE 400	90.2	94.5	96.5	97.3	98.3	98.9	99.0	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8
GE 300	90.2	94.5	96.5	97.3	98.3	98.9	99.0	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0
GE 200	90.2	94.5	96.5	97.3	98.3	98.9	99.0	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0
GE 100	90.2	94.5	96.5	97.3	98.3	98.9	99.0	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0
GE 0	90.2	94.5	96.5	97.3	98.3	98.9	99.0	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 1947-  
MONTH: MAY HOURS/DAY: 1600-1700

CEILING		VISIBILITY IN STATUTE MILES															
IN FEET	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
	1	3	5	7	9	11	13	15	17	19	21	23	25	27	29	31	33
NO CEIL	45.5	46.9	47.0	47.1	47.1	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
GE 2000	52.0	53.5	53.7	53.8	53.8	54.0	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
GE 1800	52.0	53.5	53.7	53.8	53.8	54.0	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
GE 1600	52.0	53.5	53.7	53.8	53.8	54.0	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
GE 1400	52.7	54.2	54.3	54.4	54.4	54.6	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
GE 1200	54.5	56.0	56.1	56.2	56.2	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
GE 1000	56.2	58.0	58.1	58.2	58.2	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
GE 900	56.9	58.6	58.7	58.8	58.8	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 800	59.7	61.4	61.6	61.7	61.7	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
GE 700	61.8	63.5	63.9	64.1	64.1	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
GE 600	63.3	65.1	65.4	65.6	65.6	65.8	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
GE 500	69.0	71.1	71.4	71.6	71.6	71.8	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 450	71.7	73.9	74.2	74.4	74.4	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
GE 400	75.8	78.1	78.5	78.9	78.9	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
GE 350	78.1	80.3	80.6	81.2	81.2	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
GE 300	82.2	84.6	85.3	85.8	85.8	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 250	85.3	88.1	88.5	89.0	89.1	89.4	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 200	87.2	90.1	90.5	91.1	91.2	91.4	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 180	87.2	90.1	90.5	91.1	91.2	91.4	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 160	88.2	91.3	91.9	92.5	92.6	92.8	93.0	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 120	89.4	92.5	93.3	94.1	94.2	94.4	94.6	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 100	92.0	93.4	94.5	95.4	95.4	96.0	96.2	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 90	92.2	93.7	94.8	95.7	96.1	96.3	96.6	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 80	92.3	93.9	95.2	96.0	96.5	96.7	96.9	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 70	93.4	94.3	95.6	96.5	96.9	97.2	97.4	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 60	90.6	94.5	95.8	96.7	97.1	97.4	97.6	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 50	90.8	94.7	96.1	97.1	98.0	98.3	98.7	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 40	90.8	94.7	96.1	97.1	98.0	98.3	98.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 30	90.8	94.7	96.1	97.1	98.0	98.3	98.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 20	90.8	94.7	96.1	97.1	98.0	98.3	98.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 10	90.8	94.7	96.1	97.1	98.0	98.3	98.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	90.8	94.7	96.1	97.1	98.0	98.3	98.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 936

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-H7

MONTH: MAY HOURS(EST): 1400-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 1	GE 2	GE 3	GE 4	GE 5	GE 6	GE 7	GE 8	GE 9	GE 10	GE 11	GE 12	GE 13	GE 14	GE 15	GE 16	GE 17	GE 18
NO CEIL	51.2	53.2	53.3	53.5	53.8	53.8	53.8	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
GE 20000	57.3	59.5	59.6	60.0	60.2	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
GE 18000	57.7	59.9	60.0	60.4	60.6	60.6	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
GE 16000	57.7	59.9	60.0	60.4	60.6	60.6	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
GE 14000	59.2	60.4	60.5	61.0	61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 12000	60.8	63.0	63.1	63.5	63.8	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 10000	63.0	65.3	65.4	65.6	66.0	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
GE 9000	63.9	66.1	66.2	66.7	66.9	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 8000	66.9	69.2	69.4	69.6	70.0	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE 7000	69.4	71.7	71.8	72.3	72.5	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 6000	70.9	73.2	73.3	73.8	74.0	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 5000	74.9	77.4	77.5	78.0	78.2	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 4500	77.0	79.6	79.7	80.2	80.4	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
GE 4000	79.4	82.3	82.4	83.0	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 3500	81.7	84.6	84.8	85.6	85.8	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 3000	84.5	87.5	87.7	88.5	88.7	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 2500	85.6	88.6	88.8	89.7	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 2000	87.5	90.5	90.6	91.7	92.0	92.0	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 1800	87.8	91.0	91.2	92.2	92.5	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 1500	88.6	92.0	92.3	93.3	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 1200	89.4	93.0	93.2	94.3	94.6	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 1000	90.1	94.7	94.9	96.0	96.5	96.5	96.5	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 900	90.2	94.8	95.1	96.1	96.7	96.7	96.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 800	90.4	95.5	95.8	96.9	97.4	97.4	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 700	90.4	95.5	95.9	97.0	97.5	97.5	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 600	90.5	95.6	96.1	97.2	98.0	98.0	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 500	90.5	95.6	96.5	97.5	98.7	98.7	98.7	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 400	90.5	95.6	96.5	97.6	98.8	98.8	98.8	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 300	90.5	95.6	96.5	97.6	98.8	98.8	98.8	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 200	90.5	95.6	96.5	97.6	98.8	98.8	98.8	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 100	90.5	95.6	96.5	97.6	98.8	98.8	98.8	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 0	90.5	95.6	96.5	97.6	98.8	98.8	98.8	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-YR  
MONTH: MAY HOURS(EST): 2100-2100

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 3	GE 6	GE 10	GE 15	GE 20	GE 25	GE 30	GE 35	GE 40	GE 45	GE 50	GE 55	GE 60	GE 65	GE 70
NO CEIL	60.6	61.5	61.5	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 2000	64.2	65.2	65.4	65.6	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE 1800	64.2	65.3	65.5	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
GE 1600	64.3	65.3	65.5	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
GE 1400	64.7	65.7	65.9	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 1200	65.4	66.3	66.6	66.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 1000	68.4	69.4	69.6	69.8	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE 900	69.0	70.0	70.2	70.4	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE 800	72.6	73.8	74.0	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
GE 700	74.6	75.9	76.1	76.5	76.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 600	75.6	77.0	77.2	77.5	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
GE 500	78.0	79.5	79.8	80.1	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 450	80.3	81.9	82.3	82.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 400	81.6	83.3	83.7	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 350	83.8	85.6	85.9	86.2	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 300	85.3	87.1	87.4	87.7	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 250	86.9	88.9	89.2	89.6	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 200	88.0	90.5	91.0	91.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 180	88.4	91.0	91.4	91.7	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 150	88.9	91.7	92.3	92.7	93.2	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 120	89.7	92.5	93.0	93.4	94.0	94.0	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 100	90.5	94.2	94.7	95.2	95.7	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 90	90.5	94.5	95.1	95.5	96.1	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 80	90.8	95.1	95.8	96.2	96.9	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 70	90.9	95.4	96.1	96.6	97.2	97.2	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 60	90.9	95.4	96.1	96.6	97.2	97.2	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 50	90.9	95.4	96.1	96.6	97.3	97.6	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 40	90.9	95.4	96.3	96.9	98.0	98.4	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 30	90.9	95.4	96.3	96.9	98.0	98.4	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 20	90.9	95.4	96.3	96.9	98.0	98.4	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 10	90.9	95.4	96.3	96.9	98.0	98.4	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE	90.9	95.4	96.3	96.9	98.0	98.4	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: MAY HOLD(S) LIST: ALL

CEILING		VISIBILITY IN STATUTE MILES															
IN FEET	1	GE 1	GE 6	GE 5	GE 4	GE 3	GE 2 1/4	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 7/4	GE 5/4	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	1	55.4	56.7	56.5	56.7	56.4	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
GE 20000	60.2	61.0	61.4	61.6	61.9	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
GE 18000	60.4	61.3	61.6	61.9	62.1	62.1	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 16000	60.4	61.3	61.6	61.8	62.1	62.1	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 14000	60.4	61.7	62.0	62.3	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GE 12000	62.7	63.1	63.5	63.7	64.0	64.0	64.0	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
GE 10000	65.0	65.9	66.3	66.5	66.8	66.8	66.8	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
GE 9000	66.0	67.0	67.3	67.6	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 8000	69.0	70.1	70.5	70.7	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 7000	71.2	72.3	72.7	73.0	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 6000	72.1	73.2	73.6	73.9	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
GE 5000	75.3	76.4	77.0	77.3	77.6	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE 4500	77.2	78.5	79.0	79.3	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 4000	78.7	80.1	80.6	81.0	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 3500	80.3	81.8	82.3	82.7	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 3000	82.8	84.4	84.9	85.4	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 2500	84.3	86.1	86.7	87.2	87.5	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 2000	85.9	88.0	88.6	89.1	89.5	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 1800	86.2	88.4	89.0	89.5	89.9	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 1500	87.6	89.9	90.6	91.2	91.6	91.7	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 1200	89.6	91.1	91.9	92.6	93.0	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 1000	89.2	92.1	93.0	93.7	94.2	94.3	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 900	89.5	92.6	93.5	94.2	94.7	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 800	89.7	93.0	94.0	94.8	95.3	95.4	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 700	89.9	93.3	94.4	95.2	95.8	95.9	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 600	90.1	93.6	94.9	95.8	96.5	96.6	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 500	90.2	94.0	95.3	96.2	97.1	97.4	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 400	90.3	94.2	95.6	96.6	97.7	98.0	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 300	90.4	94.4	95.8	96.8	98.0	98.3	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 200	90.4	94.4	95.8	96.9	98.1	98.4	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 100	90.4	94.4	95.8	96.9	98.1	98.4	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 0	90.4	94.4	95.8	96.9	98.1	98.4	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS: 7440



GLOBAL CLIMATOLOGY BRANCH  
USAF/ITAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING AND VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: THIRTY  
MONTHS: JAN. HOURS (LAST): 0000Z-0000Z

CEILING		VISIBILITY IN STATUTE MILES															
IN	FEET	1	10	6	5	4	3	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	1/8
NO CEIL	1	69.2	69.6	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 20000	72.3	72.7	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 18000	72.3	72.7	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 16000	72.3	72.7	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 14000	72.3	72.7	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 12000	73.6	73.9	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 10000	76.7	77.0	77.2	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
GE 9000	77.9	78.2	78.4	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 8000	82.0	82.4	82.7	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 7000	84.6	85.4	85.7	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 6000	86.6	86.6	86.8	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 5000	89.4	90.6	91.1	91.2	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 4500	90.7	91.6	92.1	92.2	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 4000	91.1	92.7	93.0	93.1	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 3500	91.9	93.4	93.9	94.0	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 3000	93.0	94.7	95.1	95.2	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 2500	93.4	95.3	95.8	95.9	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 2000	94.0	95.9	96.3	96.6	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 1800	94.2	96.4	96.9	97.1	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1600	94.9	97.2	97.8	98.0	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1400	94.9	97.2	97.8	98.0	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1200	95.1	97.6	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 900	95.1	97.6	98.3	98.6	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 800	95.1	97.9	98.4	98.7	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 700	95.1	97.9	98.4	98.7	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 600	95.1	97.9	98.6	98.8	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	95.1	97.9	98.6	98.8	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	95.1	97.9	98.6	98.8	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 300	95.1	97.9	98.6	98.8	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 200	95.1	97.9	98.6	98.8	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 100	95.1	97.9	98.6	98.8	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 0	95.1	97.9	98.6	98.8	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAF/CIAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 1947-  
MONTH: JUN HOURS(EST): 0100-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES														
	GE 1	GE 1 1/4	GE 1 1/2	GE 2	GE 2 1/2	GE 3	GE 4	GE 5	GE 6	GE 7	GE 8	GE 9	GE 10	GE 11	GE 12
NO CEIL	67.7	67.9	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
GE 20000	67.4	67.9	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
GE 18000	67.6	68.0	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
GE 16000	67.6	68.0	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
GE 14000	68.2	68.7	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 12000	72.3	70.6	70.7	70.7	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 10000	74.3	75.0	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 9000	75.1	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 8000	77.9	81.0	81.2	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 7000	82.9	84.0	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 6000	87.8	85.0	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 5000	86.6	88.1	88.4	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 4500	88.3	90.0	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 4000	89.1	90.9	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 3500	89.9	91.6	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 3000	90.8	92.6	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 2500	91.2	93.2	93.6	93.7	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 2000	92.7	94.2	94.7	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 1800	92.6	94.7	95.3	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 1600	92.6	94.7	95.3	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 1400	92.6	94.7	95.3	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 1200	92.7	94.8	95.4	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 1000	93.8	95.9	96.6	96.6	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 900	93.9	96.1	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 800	94.0	96.4	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 700	94.3	96.8	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 600	94.4	97.1	98.0	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 500	94.4	97.1	98.0	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 400	94.4	97.1	98.0	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 300	94.4	97.1	98.0	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 200	94.4	97.1	98.0	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 100	94.4	97.1	98.0	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 0	94.6	97.3	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS: 920

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINGO AFB MO

PERIOD OF RECORD: 75-67  
MONTH: JUN. HOURS (EST): 0600-0600

CEILING		VISIBILITY IN STATUTE MILES															
IN FEET	CE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	7/8	5/8	1/2	5/16	1/4	0	0
NO CEIL	61.1	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 20000	67.6	67.7	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
GE 18000	68.1	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 16000	68.1	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 14000	69.4	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 12000	72.2	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 10000	75.4	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 9000	76.7	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 8000	81.7	82.3	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 7000	84.3	84.2	84.4	84.4	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 6000	84.1	85.0	85.2	85.3	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 5000	85.3	86.4	86.6	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 4000	86.7	87.7	88.0	88.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 3500	87.2	88.7	89.0	89.2	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 3000	88.0	89.9	90.3	90.6	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 2500	89.6	90.7	91.1	91.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 2000	89.1	91.2	91.9	92.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 1800	89.7	91.6	92.4	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 1600	91.1	93.2	94.1	94.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 1400	97.0	94.6	95.4	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 1200	92.6	95.4	95.4	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 1000	92.8	95.8	97.0	97.2	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 900	92.9	96.1	97.7	97.6	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 800	92.9	96.1	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 700	93.1	96.3	97.9	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 600	93.1	96.3	97.9	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 500	93.7	96.9	98.2	98.3	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 400	93.3	96.9	98.2	98.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 300	93.4	97.0	98.3	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 200	93.4	97.1	98.4	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 100	93.4	97.1	98.4	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 01	93.4	97.1	98.4	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS: 920

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: JUN HOURS(LEST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 1 1/2	GE 2	GE 3	GE 4	GE 5	GE 6	GE 7	GE 8	GE 9	GE 10	GE 11	GE 12	GE 13	GE 14	GE 15
NO CEIL	62.7	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 20000	69.9	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 18000	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 16000	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 14000	70.0	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
GE 12000	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 10000	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
GE 9000	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 8000	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 7000	80.7	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 6000	81.1	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 5000	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 4500	83.4	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 4000	84.1	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 3500	84.7	85.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 3000	86.3	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 2500	87.4	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 2000	89.4	90.6	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 1500	90.7	91.4	91.6	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 1000	91.4	93.1	93.6	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 1000	90.8	94.3	94.8	94.9	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 1000	92.9	95.0	95.6	95.7	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 900	93.0	95.6	96.4	96.7	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 800	93.7	95.7	96.7	96.9	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 700	93.3	95.7	96.7	96.9	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 600	93.9	96.1	97.2	97.7	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 500	94.0	97.0	98.1	98.8	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 400	94.0	97.0	98.1	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 300	94.0	97.0	98.1	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 200	94.0	97.0	98.1	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 100	94.0	97.0	98.1	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS: 227

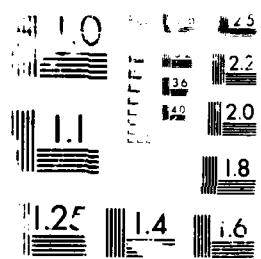
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MINOT AFB NORTH DAKOTA REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSERVATIONS (U) AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER SCOTT A. DEC 87  
UNCLASSIFIED USAFETAC/DS-87/084 F/G 4/2 NL

3/3

NL

END  
DATE  
FILED  
DEC 87



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: JUN HOURS (LST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES														
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	59.7	59.9	59.9	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
GE 20000	66.0	66.2	66.2	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
GE 18000	66.6	67.0	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
GE 16000	66.9	67.1	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 14000	67.2	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
GE 12000	69.1	69.3	69.3	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE 10000	72.3	72.7	72.7	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 9000	73.1	73.4	73.4	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 8000	75.4	75.8	75.8	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE 7000	76.1	76.4	76.4	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
GE 6000	77.0	77.3	77.3	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 5000	80.0	80.4	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 4500	81.6	82.0	82.1	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 4000	83.3	83.9	84.0	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 3500	84.7	85.3	85.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 3000	87.9	88.7	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 2500	89.1	89.9	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 2000	91.2	92.0	92.2	92.4	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 1800	91.6	92.3	92.6	92.8	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 1500	92.9	93.9	94.2	94.4	94.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 1200	93.6	94.6	95.1	95.4	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 1000	94.2	95.9	96.3	96.7	97.1	97.1	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2
GE 900	94.6	96.3	96.6	97.2	97.7	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8
GE 800	95.1	96.9	97.3	97.8	98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3
GE 700	95.1	97.0	97.6	98.0	98.4	98.4	98.4	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6
GE 600	95.3	97.3	98.0	98.4	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0
GE 500	95.4	97.9	98.7	99.2	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	95.4	97.9	98.7	99.2	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	95.4	97.9	98.7	99.2	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	95.4	97.9	98.7	99.2	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	95.4	97.9	98.7	99.2	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	95.4	97.9	98.7	99.2	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87

MONTH: JUN HOURS(IST): 1500-1700

CEILING		VISIBILITY IN STATUTE MILES																
IN FEET	1	GE 10	GE 6	GE 5	GE 4	GE 3	2	1 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
GE 20000	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 18000	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
GE 16000	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
GE 14000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
GE 12000	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 10000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 9000	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 8000	76.9	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
GE 7000	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
GE 6000	78.0	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 5000	82.0	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 4500	84.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE 4000	86.6	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 3500	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 3000	91.4	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 2500	92.4	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 2000	93.7	94.6	94.6	94.6	94.6	94.6	94.6	94.6	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 1800	93.9	94.9	94.9	94.9	95.1	95.1	95.1	95.1	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 1500	94.8	96.0	96.1	96.1	96.3	96.3	96.3	96.3	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 1200	95.4	96.8	97.3	97.2	97.2	97.2	97.2	97.2	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 1000	96.1	97.9	98.1	98.3	98.3	98.3	98.3	98.3	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 900	96.2	98.0	98.2	98.4	98.4	98.4	98.4	98.4	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 800	96.3	98.1	98.3	98.6	98.6	98.6	98.6	98.6	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 700	96.8	98.6	98.8	99.0	99.0	99.0	99.0	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 600	96.9	98.8	99.0	99.2	99.2	99.2	99.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	97.1	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	97.1	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	97.1	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	97.1	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 100	97.1	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 0	97.1	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS: 900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87

MONTH: JUN HOURS(IST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE C
NO CEIL	63.2	63.4	63.4	63.6	63.6	63.7	63.8	63.8	63.8	63.8	63.9	63.8	63.8	63.8	63.8	63.8
GE 20000	70.0	70.2	70.2	70.3	70.3	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 18000	70.4	70.7	70.7	70.8	70.8	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 16000	70.4	70.7	70.7	70.8	70.8	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 14000	71.1	71.3	71.3	71.4	71.4	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 12000	72.4	72.7	72.7	72.8	72.8	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
GE 10000	76.1	76.4	76.4	76.6	76.6	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 9000	76.9	77.2	77.2	77.3	77.3	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 8000	81.3	81.7	81.7	81.8	81.8	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 7000	84.0	84.3	84.3	84.4	84.4	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 6000	84.9	85.4	85.4	85.6	85.6	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 5000	88.2	89.6	89.6	89.7	89.7	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 4500	90.1	91.4	91.4	91.8	91.8	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 4000	90.9	92.4	92.6	92.9	92.9	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 3500	92.2	94.1	94.2	94.6	94.6	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 3000	93.2	95.1	95.2	95.6	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 2500	93.8	95.7	95.8	96.1	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 2000	94.0	95.9	96.0	96.3	96.3	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 1800	94.2	96.1	96.2	96.6	96.6	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 1500	94.3	96.3	96.4	96.8	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 1200	95.7	97.7	97.8	98.1	98.1	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1000	95.7	97.8	97.9	98.4	98.4	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 900	95.7	98.0	98.1	98.7	98.7	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 800	95.7	98.0	98.1	98.7	98.7	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 700	95.0	98.4	98.5	99.1	99.2	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 600	96.0	98.4	98.6	99.1	99.2	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	96.0	98.4	98.7	99.2	99.3	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	96.0	98.4	98.7	99.2	99.3	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	96.0	98.4	98.7	99.2	99.3	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	96.0	98.4	98.7	99.2	99.3	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	96.0	98.4	98.7	99.2	99.3	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 70	96.0	98.4	98.7	99.2	99.3	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: JUN HOURS(IST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GF 1 1/2	GE 1 1/4	GE 1	GE 7/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GF 0
NO CEIL	69.2	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE 20000	73.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
GE 18000	74.1	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE 16000	74.1	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE 14000	74.4	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
GE 12000	75.7	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE 10000	79.2	80.0	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 9000	79.9	80.7	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 8000	83.0	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 7000	85.6	86.4	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 6000	86.9	87.8	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 5000	90.7	92.2	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 4500	91.7	93.2	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 4000	92.6	94.2	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 3500	93.1	95.0	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 3000	93.7	95.6	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 2500	94.1	96.0	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 2000	94.6	96.7	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1800	94.7	96.9	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1500	95.2	97.4	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1200	95.2	97.4	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1000	95.2	97.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 900	95.3	98.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 800	95.3	98.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 700	95.3	98.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 600	95.3	98.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 500	95.3	98.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 400	95.3	98.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 300	95.3	98.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 200	95.3	98.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 100	95.3	98.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: JUL HOURS (LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0	
NO CEIL	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	
GE 20000	68.9	69.1	69.2	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	
GE 18000	69.4	69.6	69.7	69.7	69.7	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	
GE 16000	69.4	69.6	69.7	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	
GE 14000	70.0	70.2	70.3	70.3	70.3	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	
GE 12000	71.7	71.9	72.0	72.0	72.0	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	
GE 10000	75.2	75.5	75.6	75.7	75.7	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	
GE 9000	76.2	76.6	76.7	76.7	76.7	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	
GE 8000	80.0	80.5	80.7	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	
GE 7000	81.8	82.4	82.6	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	
GE 6000	82.7	83.4	83.5	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	
GE 5000	85.7	86.7	87.0	87.1	87.1	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	
GE 4500	87.0	88.1	88.3	88.4	88.5	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	
GE 4000	88.0	89.2	89.5	89.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	
GE 3500	89.0	90.4	90.7	90.8	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	
GE 3000	90.5	92.0	92.4	92.5	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	
GE 2500	91.3	92.8	93.2	93.3	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	
GE 2000	92.3	93.9	94.3	94.4	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	
GE 1800	92.6	94.3	94.7	94.9	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	
GE 1500	93.5	95.4	95.9	96.1	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	
GE 1200	94.1	96.1	96.6	96.6	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	
GE 1000	94.4	96.7	97.2	97.5	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	
GE 900	94.6	97.0	97.6	97.9	98.2	98.2	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	
GE 800	94.7	97.2	97.8	98.1	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	
GE 700	94.9	97.3	98.0	98.3	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	
GE 600	95.0	97.6	98.3	98.6	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	
GE 500	95.1	97.8	98.6	99.0	99.4	99.4	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
GE 400	95.1	97.8	98.6	99.0	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	
GE 300	95.1	97.9	98.6	99.1	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	
GE 200	95.1	97.9	98.7	99.1	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	
GE 100	95.1	97.9	98.7	99.1	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	
GE 0	95.1	97.9	98.7	99.1	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: JUL HOURS (LST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	69.9	70.9	71.2	71.3	71.3	71.3	71.4	71.4	71.4	71.5	71.5	71.5	71.7	71.7	71.7	71.7
GE 20000	75.8	76.8	77.1	77.2	77.2	77.2	77.3	77.3	77.3	77.4	77.4	77.4	77.6	77.6	77.6	77.6
GE 18000	76.2	77.2	77.5	77.6	77.6	77.6	77.7	77.7	77.7	77.8	77.8	77.8	78.1	78.1	78.1	78.1
GE 16000	76.2	77.2	77.5	77.6	77.6	77.6	77.7	77.7	77.7	77.8	77.8	77.8	78.1	78.1	78.1	78.1
GE 14000	76.9	77.8	78.2	78.3	78.3	78.3	78.4	78.4	78.4	78.5	78.5	78.5	78.7	78.7	78.7	78.7
GE 12000	79.0	80.1	80.4	80.5	80.5	80.5	80.6	80.6	80.6	80.8	80.8	80.8	81.0	81.0	81.0	81.0
GE 10000	82.5	83.5	84.0	84.1	84.1	84.1	84.2	84.2	84.2	84.3	84.3	84.3	84.5	84.5	84.5	84.5
GE 9000	83.9	84.9	85.4	85.5	85.5	85.5	85.6	85.6	85.6	85.7	85.7	85.7	85.9	85.9	85.9	85.9
GE 8000	86.8	88.0	88.5	88.6	88.6	88.6	88.7	88.7	88.7	88.8	88.8	88.8	89.0	89.0	89.0	89.0
GE 7000	88.8	90.0	90.5	90.6	90.6	90.6	90.8	90.8	90.8	90.9	90.9	90.9	91.1	91.1	91.1	91.1
GE 6000	89.6	90.8	91.3	91.4	91.4	91.4	91.5	91.5	91.5	91.6	91.6	91.6	91.8	91.8	91.8	91.8
GE 5000	90.6	92.0	92.6	92.7	92.7	92.7	92.8	92.8	92.8	92.9	92.9	92.9	93.1	93.1	93.1	93.1
GE 4500	91.5	93.1	93.7	93.8	93.8	93.8	93.9	93.9	93.9	94.0	94.0	94.0	94.2	94.2	94.2	94.2
GE 4000	91.7	94.0	94.6	94.9	95.2	95.2	95.3	95.3	95.3	95.4	95.4	95.4	95.6	95.6	95.6	95.6
GE 3500	92.3	94.5	95.2	95.5	95.7	95.7	95.8	95.8	95.8	95.9	95.9	95.9	96.1	96.1	96.1	96.1
GE 3000	93.3	95.7	96.5	96.8	97.0	97.0	97.1	97.1	97.1	97.2	97.2	97.2	97.4	97.4	97.4	97.4
GE 2500	93.8	96.2	97.0	97.3	97.5	97.5	97.6	97.6	97.6	97.7	97.7	97.7	98.0	98.0	98.0	98.0
GE 2000	93.9	96.3	97.1	97.4	97.6	97.6	97.7	97.7	97.7	97.8	97.8	97.8	98.1	98.1	98.1	98.1
GE 1800	93.9	96.3	97.1	97.4	97.6	97.6	97.7	97.7	97.7	97.8	97.8	97.8	98.1	98.1	98.1	98.1
GE 1500	94.1	96.6	97.3	97.6	97.8	97.8	98.0	98.0	98.0	98.1	98.1	98.1	98.3	98.3	98.3	98.3
GE 1200	94.2	96.8	97.5	97.8	98.1	98.1	98.2	98.2	98.2	98.3	98.3	98.3	98.5	98.5	98.5	98.5
GE 1000	94.5	97.1	97.8	98.2	98.4	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.8	98.8	98.8	98.8
GE 900	94.7	97.3	98.1	98.4	98.6	98.6	98.7	98.7	98.7	98.8	98.8	98.8	99.0	99.0	99.0	99.0
GE 800	94.7	97.3	98.1	98.4	98.6	98.6	98.7	98.7	98.7	98.8	98.8	98.8	99.0	99.0	99.0	99.0
GE 700	94.9	97.5	98.3	98.6	98.8	98.8	98.9	98.9	98.9	99.0	99.0	99.0	99.2	99.2	99.2	99.2
GE 600	95.2	97.7	98.5	98.8	99.0	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.5	99.5	99.5	99.5
GE 500	95.2	97.7	98.5	98.8	99.0	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.5	99.5	99.5	99.5
GE 400	95.2	97.7	98.5	98.8	99.0	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.5	99.5	99.5	99.5
GE 300	95.4	98.0	98.7	99.0	99.4	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.8	99.8	99.8	99.8
GE 200	95.4	98.0	98.7	99.0	99.4	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.8	99.8	99.8	99.8
GE 100	95.4	98.0	98.7	99.0	99.4	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.8	99.8	99.8	99.8
GE 0	95.4	98.0	98.7	99.0	99.4	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: JUL HOURS(LST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 7/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CELL	65.2	66.3	66.9	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.2	67.2	67.2	67.3
GE 20000	69.8	71.2	71.7	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	72.0	72.0	72.0	72.2
GE 18000	70.4	71.9	72.5	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.8	72.8	72.8	72.9
GE 16000	70.4	71.9	72.5	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.8	72.8	72.8	72.9
GE 14000	71.2	72.7	73.2	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.5	73.5	73.5	73.7
GE 12000	72.5	74.0	74.5	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.8	74.8	74.8	74.9
GE 10000	77.7	79.2	79.9	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.2	80.2	80.2	80.3
GE 9000	79.2	80.8	81.4	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.7	81.7	81.7	81.8
GE 8000	83.5	85.2	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.1	86.1	86.1	86.2
GE 7000	84.7	86.6	87.2	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.5	87.5	87.5	87.6
GE 6000	86.6	88.4	89.0	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.4	89.4	89.4	89.5
GE 5000	88.1	90.0	90.8	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.1	91.1	91.1	91.2
GE 4500	88.7	90.6	91.4	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.7	91.7	91.7	91.8
GE 4000	89.2	91.6	92.5	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.8	92.8	92.8	92.9
GE 3500	89.4	91.7	92.6	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.9	92.9	92.9	93.0
GE 3000	89.7	92.4	93.2	93.4	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.8	93.8	93.8	93.9
GE 2500	90.3	93.0	93.9	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.4	94.4	94.4	94.5
GE 2000	91.0	93.9	94.7	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.3	95.3	95.3	95.4
GE 1800	91.5	94.4	95.3	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.8	95.8	95.8	95.9
GE 1500	91.8	94.7	95.6	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.1	96.1	96.1	96.2
GE 1200	92.7	95.6	96.6	96.6	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.1	97.1	97.1	97.2
GE 1000	92.9	95.9	96.9	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.4	97.4	97.4	97.5
GE 900	93.1	96.1	97.1	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.6	97.6	97.6	97.8
GE 800	93.2	96.2	97.2	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.8
GE 700	93.5	96.8	97.7	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.4
GE 600	93.7	96.9	97.8	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.6
GE 500	93.9	97.2	98.2	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.9
GE 400	93.9	97.2	98.2	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.9
GE 300	94.1	97.4	98.6	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.5
GE 200	94.3	97.6	98.8	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.7	99.7	99.8
GE 100	94.3	97.6	98.8	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.7	99.8	100.0
GE 0	94.3	97.6	98.8	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: JUL HOURS(IST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	60.0	61.1	61.3	61.5	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.8	61.8	61.8
GE 20000	65.4	67.0	67.2	67.5	67.7	67.8	67.8	67.8	67.8	67.8	67.9	67.8	67.8	68.0	68.0	68.0
GE 18000	65.6	67.2	67.4	67.7	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.2	68.2	68.2
GE 16000	65.6	67.2	67.4	67.7	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.2	68.2	68.2
GE 14000	67.2	68.8	69.0	69.4	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.8	69.8	69.8
GE 12000	69.8	70.4	70.6	71.0	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.4	71.4	71.4
GE 10000	73.1	75.1	75.4	75.7	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.2	76.2	76.2
GE 9000	74.5	76.6	76.9	77.3	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.8	77.8	77.8
GE 8000	78.6	80.8	81.1	81.5	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.0	82.0	82.0
GE 7000	80.5	82.9	83.2	83.7	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.2	84.2	84.2
GE 6000	82.3	84.7	85.1	85.5	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	86.0	86.0	86.0
GE 5000	83.9	86.5	86.8	87.3	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	88.0	88.0	88.0
GE 4500	84.6	87.3	87.6	88.2	88.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.8	88.8	88.8
GE 4000	85.9	88.6	88.9	89.5	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.1	90.1	90.1
GE 3500	86.0	88.9	89.2	89.8	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.4	90.4	90.4
GE 3000	87.4	90.4	90.8	91.3	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	92.2	92.2	92.2
GE 2500	87.6	90.8	91.2	91.7	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.6	92.6	92.6
GE 2000	88.7	91.9	92.4	92.9	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.8	93.8	93.8
GE 1800	89.7	92.0	92.5	93.0	93.4	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.9	93.9	93.9
GE 1500	88.9	92.5	92.9	93.4	93.9	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.4	94.4	94.4
GE 1200	89.7	93.2	93.7	94.2	94.6	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	95.2	95.2	95.2
GE 1000	90.0	93.7	94.1	94.6	95.1	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.6	95.6	95.6
GE 900	90.0	93.7	94.1	94.6	95.1	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.6	95.6	95.6
GE 800	90.1	93.8	94.2	94.8	95.3	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.8	95.8	95.8
GE 700	90.4	94.3	94.7	95.4	95.8	96.0	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.5	96.5	96.5
GE 600	90.6	95.1	95.5	96.2	96.8	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.4	97.4	97.4
GE 500	91.0	95.4	95.8	96.6	97.1	97.3	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.7	97.7	97.7
GE 400	91.5	96.2	96.9	97.7	98.3	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.9	98.9	98.9
GE 300	91.8	96.6	97.3	98.3	98.8	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.4	99.4	99.4
GE 200	91.8	96.6	97.3	98.3	98.8	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.4	99.4	99.4
GE 100	91.8	96.6	97.3	98.3	98.8	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.4	99.4	99.4
GE 0	91.8	96.6	97.3	98.3	98.8	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: JUL HOURS(IST): 0900-1100

CEILING		VISIBILITY IN STATUTE MILES															
IN	FEET	GE 1	GE 2	GE 3	GE 4	GE 5	GE 6	GE 7	GE 8	GE 9	GE 10	GE 11	GE 12	GE 13	GE 14	GE 15	GE 16
FEET		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
NO CEIL		66.3	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 20000	70.8	71.0	71.0	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 18000	71.0	71.2	71.2	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 16000	71.2	71.4	71.4	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
GE 14000	72.0	72.4	72.4	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
GE 12000	73.5	73.9	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
GE 10000	77.6	78.1	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
GE 9000	79.4	80.0	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 8000	82.4	83.0	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 7000	83.8	84.4	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 6000	85.4	86.2	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 5000	87.1	88.0	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 4500	87.1	88.0	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 4000	87.8	88.7	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 3500	89.4	89.2	89.2	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 3000	89.8	90.6	90.6	90.6	90.6	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 2500	90.4	91.3	91.3	91.3	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 2000	91.8	92.7	92.7	92.7	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 1800	91.9	92.9	92.9	92.9	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 1500	92.8	94.1	94.2	94.2	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 1200	94.0	95.4	95.5	95.5	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 1000	94.3	95.8	96.1	96.1	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 900	95.1	96.7	97.0	97.0	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 800	95.3	97.0	97.3	97.3	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 700	96.1	97.8	98.3	98.3	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 600	96.3	98.3	98.7	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 500	96.6	98.5	98.9	98.9	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 400	96.6	98.6	99.0	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 300	96.9	98.9	99.4	99.4	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	96.9	98.9	99.4	99.4	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 100	96.9	98.9	99.4	99.4	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 0	96.9	98.9	99.4	99.4	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS: 936

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: JUL HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE D		
NO CEIL	67.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 20000	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 18000	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 16000	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
GE 14000	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 12000	74.3	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE 10000	79.1	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 9000	80.8	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
GE 8000	83.3	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 7000	84.5	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 6000	85.4	85.8	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 5000	87.4	87.8	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 4500	88.3	88.7	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 4000	89.5	89.9	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 3500	90.9	91.4	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 3000	93.2	93.8	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 2500	94.4	95.1	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 2000	95.9	96.7	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 1800	96.5	97.2	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 1500	97.1	97.8	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1200	97.4	98.3	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1000	97.6	98.6	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 900	97.7	98.7	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 800	97.8	98.8	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 700	98.0	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	98.0	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	98.0	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	98.0	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 300	98.0	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.0	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.0	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	98.0	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: JUL HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 1 1/2	GE 2	GE 2 1/2	GE 3	GE 3 1/2	GE 4	GE 4 1/2	GE 5	GE 5 1/2	GE 6	GE 6 1/2	GE 7	GE 7 1/2	GE 8	GE 8 1/2
NO CEIL	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
GE 20000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 18000	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
GE 16000	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
GE 14000	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 12000	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
GE 10000	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 9000	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 8000	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 7000	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 6000	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 5000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 4500	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 4000	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 3500	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 3000	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 2500	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 2000	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1800	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1500	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1200	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1000	98.8	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 900	98.8	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 800	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 700	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	98.9	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	98.9	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	98.9	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: JUL HOURS(EST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	70.1	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
GE 2000	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 1800	80.2	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
GE 1600	80.2	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
GE 1400	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 1200	82.0	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 1000	86.7	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 900	87.7	88.4	88.5	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 800	91.2	92.4	92.5	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 700	92.7	93.9	94.0	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 600	93.8	94.9	95.1	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 500	94.7	96.2	96.3	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 400	94.9	96.5	96.6	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 300	95.8	97.4	97.5	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 200	96.5	98.2	98.3	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 100	96.9	98.6	98.7	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 2500	97.1	98.8	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 2000	97.3	99.0	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1800	97.3	99.0	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1600	97.3	99.0	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1400	97.3	99.0	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1200	97.3	99.0	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1000	97.3	99.1	99.2	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 900	97.3	99.1	99.2	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 800	97.3	99.1	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	97.3	99.1	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	97.3	99.1	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	97.3	99.1	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	97.3	99.1	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	97.3	99.1	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	97.3	99.1	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	97.3	99.1	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87

MONTH: JUL HOURS (LST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES														
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	74.6	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
GE 20000	80.5	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 18000	81.2	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 16000	81.2	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 14000	81.9	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 12000	83.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 10000	85.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 9000	86.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 8000	89.9	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 7000	92.5	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 6000	93.4	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 5000	95.4	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 4500	95.6	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 4000	96.0	97.5	97.6	97.6	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 3500	96.5	98.0	98.1	98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 3000	96.8	98.3	98.5	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 2500	97.0	98.6	98.8	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 2000	97.1	98.7	98.9	99.0	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1500	97.2	98.8	99.0	99.1	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1200	97.3	98.9	99.1	99.2	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1000	97.3	98.9	99.1	99.2	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 900	97.3	98.9	99.1	99.2	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 800	97.3	98.9	99.1	99.2	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 700	97.3	99.0	99.2	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	97.3	99.0	99.2	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	97.3	99.2	99.5	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	97.3	99.2	99.5	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	97.3	99.2	99.5	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	97.3	99.2	99.5	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	97.3	99.2	99.5	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	97.3	99.2	99.5	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: JUL HOURS (LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 1/8	GE 0	GE 0
NO CEIL	66.4	67.0	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.4	67.4	67.4	67.4
GE 20000	72.8	73.5	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 18000	73.3	74.0	74.1	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.4	74.4	74.4	74.4
GE 16000	73.3	74.0	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.4	74.4	74.4	74.4	74.4
GE 14000	74.4	75.1	75.2	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
GE 12000	76.2	77.0	77.1	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.4	77.4	77.4	77.4	77.4
GE 10000	80.4	81.3	81.5	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 9000	81.8	82.8	83.0	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.3	83.3	83.3	83.3
GE 8000	85.3	86.4	86.6	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.9	86.9	86.9	86.9
GE 7000	86.9	88.1	88.3	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.6	88.6	88.6	88.6	88.6
GE 6000	88.2	89.4	89.7	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	90.0	90.0	90.0	90.0
GE 5000	89.9	91.2	91.4	91.5	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 4500	90.4	91.7	92.0	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.3	92.3	92.3	92.3
GE 4000	91.3	92.8	93.1	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.5	93.5	93.5	93.5
GE 3500	92.1	93.6	93.9	94.1	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 3000	93.1	94.8	95.1	95.3	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.6	95.6	95.6	95.6
GE 2500	93.6	95.3	95.6	95.8	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.1	96.1	96.1	96.1
GE 2000	94.2	96.0	96.3	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.8	96.8	96.8	96.8
GE 1800	94.4	96.2	96.5	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	97.0	97.0	97.0	97.0
GE 1500	94.7	96.6	96.9	97.1	97.3	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 1200	95.2	97.0	97.4	97.6	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.0
GE 1000	95.3	97.3	97.7	97.9	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3
GE 900	95.5	97.5	97.9	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.4
GE 800	95.6	97.6	98.0	98.2	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6
GE 700	95.8	97.9	98.4	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9
GE 600	95.9	98.1	98.6	98.8	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2
GE 500	96.0	98.2	98.7	98.9	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4
GE 400	96.1	98.4	98.9	99.1	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5
GE 300	96.2	98.5	99.1	99.3	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 200	96.2	98.5	99.1	99.3	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 100	96.2	98.5	99.1	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: AUG HOURS(LST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES														
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 20000	77.2	78.1	78.2	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
GE 18000	77.2	78.1	78.2	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
GE 16000	77.2	78.1	78.2	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
GE 14000	77.7	78.6	78.7	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 12000	79.0	79.9	80.0	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 10000	82.7	83.5	83.7	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 9000	83.5	84.4	84.5	84.7	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 8000	86.2	87.2	87.3	87.5	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 7000	87.4	88.4	88.5	88.7	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 6000	88.3	89.4	89.6	89.9	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 5000	90.6	91.9	92.2	92.5	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 4500	91.1	92.4	92.6	92.9	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 4000	91.8	93.5	93.8	94.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 3500	92.0	93.9	94.1	94.4	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 3000	92.5	94.3	94.5	94.8	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 2500	93.3	95.4	95.6	95.9	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 2000	94.4	96.5	96.8	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 1800	94.7	96.8	97.1	97.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1600	94.8	96.9	97.2	97.5	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1400	95.1	97.1	97.4	97.7	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1200	95.2	97.2	97.7	98.1	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1000	95.2	97.3	97.7	98.1	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 900	95.3	97.4	97.8	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 800	95.4	97.6	98.1	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 700	95.6	97.8	98.3	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 600	95.6	98.1	98.6	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 500	95.8	98.3	98.8	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	95.8	98.3	98.8	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 300	95.8	98.3	98.8	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 200	95.8	98.3	98.8	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 100	95.8	98.3	98.8	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE	95.8	98.3	98.8	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: AUG HOURS(EST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	69.4	70.6	71.0	71.3	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.9	71.9
GE 20000	73.8	75.1	75.4	75.7	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.3	76.3
GE 18000	73.8	75.1	75.4	75.7	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.3	76.3
GE 16000	73.8	75.1	75.4	75.7	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.3	76.3
GE 14000	74.2	75.5	75.8	76.1	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.8	76.8
GE 12000	75.9	77.5	77.8	78.2	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.8	78.8
GE 10000	81.2	82.8	83.1	83.4	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	84.1	84.1
GE 9000	82.0	83.6	84.1	84.4	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	85.1	85.1
GE 8000	84.8	86.6	86.9	87.2	87.6	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	88.1	88.1
GE 7000	86.2	88.1	88.4	88.7	89.1	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.6	89.6
GE 6000	87.6	89.6	89.9	90.2	90.6	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	91.1	91.1
GE 5000	88.6	90.6	91.0	91.3	91.7	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.3	92.3
GE 4500	88.7	90.8	91.1	91.5	91.9	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.5	92.5
GE 4000	89.8	92.2	92.5	92.9	93.3	93.4	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.9	93.9
GE 3500	90.1	92.5	92.6	93.2	93.7	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.2	94.2
GE 3000	90.4	92.8	93.1	93.5	94.1	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.6	94.6
GE 2500	91.1	93.4	93.9	94.3	94.8	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.4	95.4
GE 2000	91.5	93.9	94.3	94.7	95.3	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.8	95.8
GE 1800	91.6	94.0	94.4	94.8	95.4	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.9	95.9
GE 1500	91.7	94.1	94.5	94.9	95.5	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	96.0	96.0
GE 1200	92.0	94.4	94.8	95.3	95.8	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.5	96.5
GE 1000	92.3	94.6	95.1	95.5	96.0	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.7	96.7
GE 900	92.4	94.7	95.2	95.6	96.1	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.8	96.8
GE 800	92.4	94.7	95.2	95.6	96.1	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.8	96.8
GE 700	92.8	95.3	95.7	96.1	96.7	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.3	97.3
GE 600	93.1	95.7	96.1	96.6	97.1	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.7	97.7
GE 500	93.3	96.2	96.7	97.1	97.6	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.3	98.3
GE 400	93.4	96.7	97.1	97.5	98.1	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.7	98.7
GE 300	93.5	96.8	97.2	97.6	98.2	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.8	98.8
GE 200	93.7	97.1	97.5	98.0	98.5	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	99.1	99.1
GE 100	93.7	97.1	97.5	98.0	98.5	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	99.4	99.4
GE 0	93.7	97.1	97.5	98.0	98.5	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 74-87  
MONTH: AUG. HOURS(IST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
	1	1/2	3/4	1	1/2	3/4	1	1/2	3/4	1	1/2	3/4	1	1/2	3/4	1
NO CEIL	59.0	61.5	61.6	62.4	62.9	63.0	63.2	63.3	63.4	63.4	63.5	63.5	63.7	63.9	64.5	64.6
GE 20000	63.4	66.0	66.1	66.9	67.4	67.5	67.7	67.8	68.0	68.0	68.1	68.1	68.2	68.4	69.0	69.1
GE 18000	63.4	66.0	66.1	66.9	67.4	67.5	67.7	67.8	68.0	68.0	68.1	68.1	68.2	68.4	69.0	69.1
GE 16000	63.4	66.0	66.1	66.9	67.4	67.5	67.7	67.8	68.0	68.0	68.1	68.1	68.2	68.4	69.0	69.1
GE 14000	63.4	66.0	66.1	66.9	67.4	67.5	67.7	67.8	68.0	68.0	68.1	68.1	68.2	68.4	69.0	69.1
GE 12000	63.4	66.0	66.1	66.9	67.4	67.5	67.7	67.8	68.0	68.0	68.1	68.1	68.2	68.4	69.0	69.1
GE 10000	71.3	74.0	74.1	74.6	75.4	75.5	75.8	75.9	76.0	76.1	76.2	76.2	76.5	76.7	77.3	77.4
GE 9000	71.3	74.0	74.1	74.6	75.4	75.5	75.8	75.9	76.0	76.1	76.2	76.2	76.5	76.7	77.3	77.4
GE 8000	71.3	74.0	74.1	74.6	75.4	75.5	75.8	75.9	76.0	76.1	76.2	76.2	76.5	76.7	77.3	77.4
GE 7000	71.3	74.0	74.1	74.6	75.4	75.5	75.8	75.9	76.0	76.1	76.2	76.2	76.5	76.7	77.3	77.4
GE 6000	71.3	74.0	74.1	74.6	75.4	75.5	75.8	75.9	76.0	76.1	76.2	76.2	76.5	76.7	77.3	77.4
GE 5000	83.9	87.0	87.3	88.1	88.6	88.9	89.4	89.5	89.6	89.7	89.8	89.8	90.0	90.2	90.9	91.0
GE 4500	83.9	87.0	87.3	88.1	88.6	88.9	89.4	89.5	89.6	89.7	89.8	89.8	90.0	90.2	90.9	91.0
GE 4000	83.9	87.0	87.3	88.1	88.6	88.9	89.4	89.5	89.6	89.7	89.8	89.8	90.0	90.2	90.9	91.0
GE 3500	83.9	87.0	87.3	88.1	88.6	88.9	89.4	89.5	89.6	89.7	89.8	89.8	90.0	90.2	90.9	91.0
GE 3000	83.9	87.0	87.3	88.1	88.6	88.9	89.4	89.5	89.6	89.7	89.8	89.8	90.0	90.2	90.9	91.0
GE 2500	86.6	90.1	90.5	91.3	92.2	92.3	92.7	92.8	92.9	93.0	93.1	93.2	93.3	93.5	94.2	94.3
GE 2000	86.6	90.1	90.5	91.3	92.2	92.3	92.7	92.8	92.9	93.0	93.1	93.2	93.3	93.5	94.2	94.3
GE 1800	86.6	90.1	90.5	91.3	92.2	92.3	92.7	92.8	92.9	93.0	93.1	93.2	93.3	93.5	94.2	94.3
GE 1600	86.6	90.1	90.5	91.3	92.2	92.3	92.7	92.8	92.9	93.0	93.1	93.2	93.3	93.5	94.2	94.3
GE 1400	86.6	90.1	90.5	91.3	92.2	92.3	92.7	92.8	92.9	93.0	93.1	93.2	93.3	93.5	94.2	94.3
GE 1200	86.6	90.1	90.5	91.3	92.2	92.3	92.7	92.8	92.9	93.0	93.1	93.2	93.3	93.5	94.2	94.3
GE 1000	86.6	90.1	90.5	91.3	92.2	92.3	92.7	92.8	92.9	93.0	93.1	93.2	93.3	93.5	94.2	94.3
GE 900	86.6	90.1	90.5	91.3	92.2	92.3	92.7	92.8	92.9	93.0	93.1	93.2	93.3	93.5	94.2	94.3
GE 800	86.6	90.1	90.5	91.3	92.2	92.3	92.7	92.8	92.9	93.0	93.1	93.2	93.3	93.5	94.2	94.3
GE 700	86.6	90.1	90.5	91.3	92.2	92.3	92.7	92.8	92.9	93.0	93.1	93.2	93.3	93.5	94.2	94.3
GE 600	86.6	90.1	90.5	91.3	92.2	92.3	92.7	92.8	92.9	93.0	93.1	93.2	93.3	93.5	94.2	94.3
GE 500	86.6	90.1	90.5	91.3	92.2	92.3	92.7	92.8	92.9	93.0	93.1	93.2	93.3	93.5	94.2	94.3
GE 400	86.6	90.1	90.5	91.3	92.2	92.3	92.7	92.8	92.9	93.0	93.1	93.2	93.3	93.5	94.2	94.3
GE 300	86.6	90.1	90.5	91.3	92.2	92.3	92.7	92.8	92.9	93.0	93.1	93.2	93.3	93.5	94.2	94.3
GE 200	86.6	90.1	90.5	91.3	92.2	92.3	92.7	92.8	92.9	93.0	93.1	93.2	93.3	93.5	94.2	94.3
GE 100	86.6	90.1	90.5	91.3	92.2	92.3	92.7	92.8	92.9	93.0	93.1	93.2	93.3	93.5	94.2	94.3
GE 0	86.6	90.1	90.5	91.3	92.2	92.3	92.7	92.8	92.9	93.0	93.1	93.2	93.3	93.5	94.2	94.3

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: AUG POLYEST: 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4
NO CEIL	61.3	62.7	62.8	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
GE 20000	66.5	68.0	69.1	68.1	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
GE 18000	66.6	68.1	68.2	68.2	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 16000	66.7	68.2	68.3	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
GE 14000	67.6	69.1	69.2	69.2	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 12000	70.2	71.8	71.9	71.9	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
GE 10000	74.7	76.5	76.6	76.7	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GE 9000	76.3	78.2	78.3	78.4	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 8000	79.8	82.2	82.3	82.4	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 7000	81.5	84.0	84.1	84.2	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 6000	82.6	85.2	85.5	85.6	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 5000	83.5	86.2	86.7	86.8	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 4500	83.9	86.9	87.3	87.4	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 4000	84.6	87.6	88.2	88.3	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 3500	84.8	87.8	88.4	88.5	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 3000	85.8	88.8	89.4	89.6	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 2500	86.3	89.4	89.9	90.1	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 2000	88.3	91.3	91.9	92.2	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 1800	88.3	91.3	91.9	92.2	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 1500	89.8	92.8	93.7	93.9	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 1200	91.3	94.5	95.4	95.6	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 1000	92.4	95.8	96.7	96.9	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 900	92.8	96.2	97.1	97.3	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 800	92.8	96.2	97.1	97.3	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 700	92.9	96.5	97.3	97.6	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 600	92.9	96.8	97.7	98.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 500	92.9	96.9	97.8	98.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 400	92.9	96.9	98.0	98.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 300	92.9	96.9	98.1	98.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 200	92.9	96.9	98.1	98.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	92.9	96.9	98.1	98.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 0	92.9	96.9	98.1	98.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 76-87  
MONTH: AUG HOURS (LST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0				
NO CEIL	61.4	61.8	61.8	61.9	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2				
GE 20000	68.1	68.5	68.5	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 18000	68.5	68.9	68.9	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 16000	68.7	69.1	69.1	69.2	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
GE 14000	70.0	70.4	70.4	70.5	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE 12000	72.0	72.5	72.5	72.6	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE 10000	75.9	76.3	76.3	76.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
GE 9000	77.4	77.8	77.8	78.0	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
GE 8000	80.9	81.6	81.6	81.8	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 7000	82.3	83.2	83.2	83.4	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 6000	82.6	83.8	83.8	84.0	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 5000	83.4	84.9	85.1	85.3	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
GE 4000	84.3	85.8	85.9	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 4000	85.9	87.4	87.5	87.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 3500	87.5	89.0	89.1	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 3000	90.0	91.5	91.6	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 2500	91.2	92.8	92.9	93.1	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 2000	92.5	94.1	94.3	94.5	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 1800	92.6	94.2	94.4	94.6	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 1500	93.7	95.3	95.7	95.9	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 1200	94.6	96.3	96.9	97.3	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1000	95.3	97.0	97.5	98.1	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 900	95.3	97.0	97.5	98.1	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 800	95.3	97.0	97.6	98.2	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 700	95.4	97.1	97.7	98.3	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 600	95.4	97.1	97.8	98.4	99.0	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	95.4	97.1	97.8	98.4	99.1	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	95.4	97.1	97.8	98.4	99.1	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	95.4	97.1	97.8	98.4	99.1	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	95.4	97.1	97.8	98.4	99.1	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	95.4	97.1	97.8	98.4	99.1	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	95.4	97.1	97.8	98.4	99.1	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: AUG HOURS(EST): 1500-1700

CEILING		VISIBILITY IN STATUTE MILES															
IN	FLEET	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 4/16	GE 1/4	GE 0
NO CEIL	1	61.4	62.0	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 20000	1	71.7	72.4	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 18000	1	72.0	72.7	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
GE 16000	1	72.0	72.7	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
GE 14000	1	72.6	73.2	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
GE 12000	1	75.9	76.7	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 10000	1	79.8	80.8	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 9000	1	82.8	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 8000	1	84.9	86.0	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 7000	1	85.9	87.0	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 6000	1	86.6	87.6	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 5000	1	88.4	89.6	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 4000	1	89.6	90.8	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 3000	1	91.3	92.6	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 2000	1	93.0	94.3	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 1000	1	94.3	95.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 2500	1	94.9	96.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 2000	1	95.5	97.0	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 1800	1	95.5	97.0	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 1500	1	95.8	97.3	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1200	1	96.0	97.8	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1000	1	96.3	98.2	99.0	99.1	99.2	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 900	1	96.3	98.2	99.0	99.1	99.2	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 800	1	96.3	98.2	99.0	99.1	99.2	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 700	1	96.3	98.3	99.1	99.2	99.4	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	1	96.3	98.3	99.1	99.2	99.4	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	1	96.3	98.3	99.1	99.2	99.4	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	1	96.3	98.3	99.1	99.2	99.4	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 300	1	96.3	98.3	99.1	99.2	99.4	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 200	1	96.3	98.3	99.1	99.2	99.4	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 100	1	96.3	98.3	99.1	99.2	99.4	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 0	1	96.3	98.3	99.1	99.2	99.4	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFITAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 76-87  
MONTH: AUG HOURS/IST: 1800-2000

CEILING		VISIBILITY IN STATUTE MILES															
IN FEET	1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	68.2	68.6	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 20000	74.3	74.8	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 18000	74.5	75.0	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
GE 16000	74.5	75.0	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
GE 14000	75.4	75.8	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 12000	77.1	77.7	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
GE 10000	79.5	80.6	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 9000	81.7	82.7	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 8000	85.7	86.8	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 7000	88.7	89.9	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 6000	90.2	91.4	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 5000	91.6	92.8	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 4500	92.8	94.0	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 4000	93.7	94.9	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 3500	95.3	96.8	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 3000	95.4	96.9	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 2500	96.0	97.5	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 2000	96.1	97.6	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1800	96.2	97.7	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1500	96.2	97.7	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1200	96.5	98.0	98.7	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000	96.8	98.4	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 900	96.8	98.4	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 800	96.8	98.4	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 700	96.8	98.4	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 600	96.8	98.4	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 500	96.8	98.4	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 400	96.8	98.4	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 300	96.8	98.4	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 200	96.8	98.4	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 100	96.8	98.4	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 0	96.8	98.4	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS: 227

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: WINDI AFB ND

PERIOD OF RECORD: 78-87

MONTH: AUG HOURS(IST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	74.1	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 20000	78.6	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE 16000	78.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 14000	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 12000	79.7	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 10000	81.6	82.8	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 8000	83.7	85.1	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
GE 6000	85.3	86.7	86.8	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 4000	87.3	88.7	88.8	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 2000	88.9	90.3	90.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
GE 1000	90.3	91.9	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 5000	92.6	94.2	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 4000	93.1	94.7	94.8	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 3000	93.9	95.5	95.6	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 2000	94.2	95.8	96.0	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 1000	94.5	96.1	96.3	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 2500	95.3	96.9	97.1	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 2000	95.7	97.3	97.6	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1800	95.7	97.3	97.6	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1600	95.8	97.4	97.7	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1400	96.0	97.6	98.0	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1200	96.2	97.8	98.2	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1000	96.2	97.8	98.2	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 800	96.3	98.0	98.4	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 600	96.3	98.0	98.4	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 500	96.3	98.1	98.5	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 400	96.3	98.1	98.5	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 300	96.3	98.1	98.5	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 200	96.3	98.1	98.5	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 100	96.3	98.1	98.5	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 0	96.3	98.1	98.5	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS: 9.7

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 76-87  
MONTH: AUG HOURS (LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1	GE 1/2	GE 1/4	GE 1/8	GE 5/16	GE 1/2	GE 5/8	GE 3/4	GE 1
NO CEIL	65.9	66.9	67.1	67.3	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.6	67.6	67.7	67.7
GE 20000	71.7	72.8	73.0	73.2	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.5	73.5	73.5	73.6	73.6
GE 18000	71.9	73.0	73.1	73.3	73.5	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.7	73.8
GE 16000	72.0	73.1	73.2	73.4	73.6	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.8	73.9
GE 14000	72.7	73.8	73.9	74.1	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.5	74.6
GE 12000	74.8	76.0	76.2	76.4	76.6	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.8	76.8
GE 10000	78.6	79.9	80.1	80.4	80.6	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.8	80.8	80.9	80.9
GE 9000	80.1	81.5	81.7	81.9	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.4	82.5
GE 8000	83.5	85.1	85.3	85.6	85.8	85.9	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.1	86.2
GE 7000	85.2	86.9	87.1	87.4	87.6	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.9	88.0
GE 6000	86.2	88.0	88.3	88.6	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.1	89.2
GE 5000	87.8	89.7	90.0	90.2	90.5	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.8	90.9
GE 4500	88.4	90.3	90.7	90.9	91.2	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.5	91.6
GE 4000	89.5	91.5	91.9	92.2	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.7	92.7	92.7	92.8	92.8
GE 3500	90.3	92.4	92.7	93.0	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.6	93.6	93.7	93.7
GE 3000	91.1	93.2	93.5	93.8	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.4	94.4	94.4	94.5	94.5
GE 2500	91.8	94.0	94.3	94.6	95.0	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.3	95.4	95.4
GE 2000	92.8	94.7	95.2	95.5	95.9	95.9	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.2	96.2
GE 1800	92.7	94.8	95.3	95.6	96.0	96.0	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.3	96.4	96.4
GE 1600	93.1	95.3	95.8	96.1	96.5	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.8	96.9	96.9
GE 1400	93.7	95.9	96.5	96.8	97.3	97.3	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.6	97.6	97.6
GE 1000	94.0	96.3	96.9	97.3	97.8	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.1	98.1	98.2	98.2
GE 900	94.1	96.5	97.0	97.4	97.9	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.3	98.3	98.4
GE 800	94.1	96.5	97.1	97.5	98.0	98.1	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.4	98.4	98.5
GE 700	94.2	96.7	97.3	97.7	98.2	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.6	98.6	98.7
GE 600	94.3	96.8	97.5	97.9	98.4	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.9	98.9
GE 500	94.3	97.0	97.6	98.0	98.5	98.6	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.2	99.2
GE 400	94.4	97.1	97.8	98.2	98.7	98.8	99.0	99.1	99.2	99.2	99.3	99.3	99.3	99.4	99.4	99.5
GE 300	94.4	97.1	97.8	98.3	98.8	98.9	99.1	99.2	99.3	99.3	99.4	99.4	99.4	99.5	99.5	99.6
GE 200	94.4	97.1	97.8	98.3	98.8	98.9	99.1	99.2	99.3	99.4	99.4	99.5	99.5	99.6	99.6	99.7
GE 100	94.4	97.1	97.8	98.3	98.8	98.9	99.1	99.2	99.3	99.4	99.4	99.5	99.5	99.6	99.6	99.7

TOTAL NUMBER OF OBSERVATIONS: 7434

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(LEST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 1 1/2	GE 2	GE 3	GE 4	GE 5	GE 6	GE 7	GE 8	GE 9	GE 10	GE 11	GE 12	GE 13	GE 14	GE 15
NO CEIL	59.2	59.4	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 20000	62.7	62.9	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
GE 18000	62.7	62.9	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
GE 16000	62.7	62.9	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
GE 14000	63.2	63.4	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 12000	65.3	65.6	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE 10000	68.1	68.3	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 9000	70.3	70.6	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE 8000	72.9	73.1	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
GE 7000	74.9	75.1	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 6000	77.6	77.8	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
GE 5000	80.9	81.6	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 4500	82.9	83.6	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 4000	83.4	84.1	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 3500	85.1	85.9	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 3000	86.9	87.7	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE 2500	88.3	89.3	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 2000	89.7	90.2	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 1800	89.7	90.7	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 1500	90.6	91.6	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 1200	91.1	92.2	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 1000	91.6	92.7	92.8	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 900	92.1	93.2	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 800	92.3	93.7	93.9	94.0	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 700	92.6	94.2	94.8	94.9	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 600	92.6	94.2	94.9	95.0	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 500	92.6	94.6	95.3	96.0	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 400	92.7	94.8	95.6	96.2	97.6	97.6	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 300	92.7	94.8	95.6	96.2	97.8	97.8	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8
GE 200	92.7	94.8	95.7	96.3	98.1	98.1	99.0	99.1	99.1	99.1	99.4	99.6	99.6	99.7	99.7	99.7
GE 100	92.7	94.8	95.7	96.3	98.1	98.1	99.0	99.1	99.2	99.2	99.7	99.8	99.8	99.9	99.9	100.0
GE 0	92.7	94.8	95.7	96.3	98.1	98.1	99.0	99.1	99.2	99.2	99.7	99.8	99.8	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 920

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINGT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS: 0100-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	56.3	56.7	56.7	56.8	57.0	57.0	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
GE 20000	58.9	59.2	59.2	59.3	59.6	59.6	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
GE 18000	59.3	59.7	59.7	59.8	60.0	60.0	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 16000	59.3	59.7	59.7	59.8	60.0	60.0	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 14000	59.3	59.7	59.7	59.8	60.0	60.0	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 12000	61.6	61.9	61.9	62.0	62.2	62.2	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 10000	64.3	64.7	64.7	64.8	65.0	65.0	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
GE 9000	67.3	67.8	67.8	67.9	68.1	68.1	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 8000	70.4	70.9	70.9	71.0	71.2	71.2	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 7000	72.7	73.1	73.2	73.3	73.7	73.7	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 6000	74.6	75.0	75.1	75.2	75.6	75.6	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 5000	78.7	79.2	79.3	79.4	79.8	79.8	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 4500	79.3	80.0	80.1	80.2	80.6	80.6	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 4000	80.1	81.0	81.1	81.2	81.6	81.6	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 3500	81.0	82.0	82.1	82.2	82.6	82.6	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 3000	82.8	83.9	84.0	84.1	84.4	84.4	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 2500	84.3	85.4	85.6	85.7	86.0	86.0	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 2000	85.3	86.4	86.6	86.7	87.0	87.0	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 1800	85.7	86.8	86.9	87.0	87.3	87.3	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 1500	86.9	88.1	88.2	88.3	88.7	88.7	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 1200	88.2	89.6	89.7	89.8	90.2	90.2	90.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 1000	89.8	90.1	90.2	90.3	90.8	90.8	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 900	89.3	90.8	91.0	91.1	91.7	91.7	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 800	89.4	90.9	91.1	91.2	91.8	91.8	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
GE 700	89.7	91.2	91.6	91.7	92.2	92.2	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 600	90.7	92.4	93.1	93.3	93.9	93.9	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 500	90.7	92.6	93.9	94.4	95.0	95.0	95.2	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 400	90.7	93.1	94.4	95.0	95.8	96.0	96.3	97.1	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 300	90.7	93.2	94.7	95.3	96.4	96.7	97.6	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 200	90.7	93.2	94.7	95.3	96.6	96.8	97.7	98.6	98.7	99.0	99.1	99.1	99.2	99.3	99.3	99.3
GE 100	90.7	93.2	94.7	95.3	96.6	96.8	97.8	98.7	98.8	99.1	99.2	99.2	99.4	99.6	99.6	99.6
GE 0	90.7	93.2	94.7	95.3	96.6	96.8	97.8	98.7	98.8	99.1	99.2	99.2	99.4	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(IST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	49.6	50.3	50.6	50.9	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.2	51.2	51.3	51.3
GE 2000	52.4	53.2	53.7	53.8	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	54.1	54.1	54.2	54.4
GE 1800	52.9	53.7	54.1	54.2	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.6	54.6	54.7	54.9
GE 1600	53.4	54.2	54.7	54.8	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	55.1	55.1	55.2	55.4
GE 1400	53.8	54.6	55.0	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.4	55.4	55.6	55.6
GE 1200	55.7	56.4	56.9	57.0	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.3	57.3	57.4	57.7
GE 1000	58.9	59.7	60.1	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.6	60.6	60.7	60.9
GE 900	60.0	60.8	61.3	61.4	61.4	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.8	61.8	61.9	62.1
GE 800	64.4	65.2	65.8	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.2	66.2	66.3	66.6
GE 700	67.4	68.6	69.1	69.2	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.6	69.6	69.7	69.9
GE 600	69.8	69.9	70.6	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	71.0	71.0	71.1	71.3
GE 500	72.3	73.6	74.2	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.7	74.7	74.8	75.0
GE 450	73.3	74.6	75.2	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.7	75.7	75.8	76.0
GE 400	74.6	76.0	76.7	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	77.1	77.1	77.2	77.4
GE 350	75.1	76.6	77.2	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.7	77.7	77.8	78.0
GE 300	76.6	79.0	78.8	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.2	79.2	79.3	79.6
GE 250	77.9	79.6	80.3	80.6	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.9	80.9	81.0	81.2
GE 200	79.8	81.8	82.6	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	83.1	83.1	83.2	83.4
GE 180	80.4	82.4	83.2	83.4	83.4	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.8	83.8	83.9	84.1
GE 160	81.6	83.8	84.6	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	85.1	85.1	85.2	85.4
GE 120	82.7	85.4	86.2	86.4	86.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.9	86.9	87.0	87.2
GE 100	83.4	86.7	87.4	87.7	87.8	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.3	88.3	88.4	88.7
GE 90	83.6	87.2	88.2	88.4	88.7	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.2	89.2	89.3	89.6
GE 80	87.9	87.9	88.9	89.1	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	90.0	90.0	90.3	90.6
GE 70	84.4	89.4	89.4	89.8	90.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6	91.1	91.1	91.2	91.4
GE 60	84.7	89.0	90.2	90.6	91.4	91.7	91.8	92.2	92.2	92.2	92.2	92.2	92.6	92.6	92.7	92.9
GE 50	85.0	89.8	91.4	92.2	93.6	93.6	94.0	94.7	94.7	94.7	94.7	94.8	95.0	95.0	95.1	95.3
GE 40	85.4	90.6	92.4	93.3	94.9	95.2	95.6	96.2	96.3	96.6	96.7	96.7	96.9	96.9	97.1	97.3
GE 30	85.4	90.7	92.7	93.7	95.3	95.7	96.1	97.0	97.2	97.6	97.7	97.7	97.9	97.9	98.1	98.4
GE 20	85.4	90.7	92.8	93.8	95.4	95.8	96.4	97.3	97.6	98.1	98.2	98.2	98.4	98.4	98.7	99.4
GE 10	85.4	90.7	92.8	93.8	95.4	95.8	96.4	97.3	97.6	98.1	98.2	98.2	98.4	98.4	98.7	100.0
GE 0	85.4	90.7	92.8	93.8	95.4	95.8	96.4	97.3	97.6	98.1	98.2	98.2	98.4	98.4	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(IST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	48.0	49.2	49.2	49.3	49.4	49.6	49.6	49.6	49.6	49.7	49.7	49.8	49.8	49.8	49.8	49.8	49.9
GE 20000	52.0	53.2	53.2	53.3	53.4	53.6	53.6	53.6	53.6	53.7	53.7	53.8	53.8	53.8	53.8	53.8	53.9
GE 18000	52.3	53.6	53.6	53.7	53.8	53.9	53.9	53.9	53.9	54.0	54.0	54.0	54.0	54.1	54.1	54.1	54.2
GE 16000	52.4	53.7	53.7	53.8	53.9	54.0	54.0	54.0	54.0	54.1	54.1	54.1	54.2	54.2	54.2	54.2	54.3
GE 14000	53.3	54.6	54.6	54.7	54.8	54.9	54.9	54.9	54.9	55.0	55.0	55.0	55.1	55.1	55.1	55.1	55.2
GE 12000	56.4	57.7	57.7	57.8	57.9	58.0	58.0	58.0	58.0	58.1	58.1	58.2	58.2	58.2	58.2	58.2	58.3
GE 10000	60.0	61.3	61.3	61.4	61.6	61.7	61.7	61.7	61.7	61.8	61.8	61.9	61.9	61.9	61.9	61.9	62.0
GE 9000	61.2	62.6	62.6	62.7	62.9	63.0	63.0	63.0	63.0	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.3
GE 8000	64.4	66.2	66.2	66.3	66.6	66.7	66.7	66.7	66.7	66.8	66.8	66.9	66.9	66.9	66.9	66.9	67.0
GE 7000	66.6	68.6	68.6	68.7	68.9	69.0	69.0	69.0	69.0	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.3
GE 6000	67.9	70.0	70.0	70.1	70.3	70.4	70.4	70.4	70.4	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.8
GE 5000	70.4	72.6	72.6	72.7	72.9	73.0	73.0	73.0	73.0	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.3
GE 4500	70.9	73.0	73.0	73.1	73.3	73.4	73.4	73.4	73.4	73.6	73.6	73.7	73.7	73.7	73.7	73.7	73.8
GE 4000	72.4	74.6	74.6	74.7	74.9	75.0	75.0	75.0	75.0	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.3
GE 3500	73.1	75.2	75.2	75.3	75.6	75.7	75.7	75.7	75.7	75.8	75.8	75.9	75.9	75.9	75.9	75.9	76.0
GE 3000	75.3	77.4	77.4	77.6	77.9	78.0	78.0	78.0	78.0	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.3
GE 2500	77.2	79.3	79.3	79.4	79.8	79.9	79.9	79.9	79.9	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.2
GE 2000	78.9	81.0	81.1	81.2	81.6	81.7	81.7	81.7	81.7	81.8	81.8	81.9	81.9	81.9	81.9	81.9	82.0
GE 1800	79.1	81.2	81.3	81.4	81.8	81.9	81.9	81.9	81.9	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.2
GE 1500	81.9	84.4	84.6	84.9	85.2	85.3	85.3	85.3	85.3	85.4	85.4	85.6	85.6	85.6	85.6	85.6	85.7
GE 1200	84.1	87.2	87.4	87.9	88.2	88.3	88.3	88.3	88.3	88.4	88.4	88.6	88.6	88.6	88.6	88.6	88.7
GE 1000	85.1	88.9	89.1	89.6	90.0	90.1	90.1	90.1	90.1	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.4
GE 900	86.1	90.6	90.8	91.3	91.6	91.9	91.9	91.9	91.9	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.2
GE 800	86.8	91.4	91.7	92.3	92.8	92.9	92.9	92.9	92.9	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.2
GE 700	86.9	92.0	92.4	93.1	93.6	93.7	93.7	93.7	93.7	93.8	93.8	93.9	93.9	93.9	93.9	93.9	94.0
GE 600	87.4	92.9	93.3	94.0	94.5	94.6	94.6	94.6	94.6	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.9
GE 500	87.6	93.6	94.1	95.0	96.4	96.6	96.6	96.6	96.6	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.9
GE 400	87.6	93.8	94.3	95.4	97.2	97.4	97.4	97.4	97.4	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.7
GE 300	87.7	94.0	94.6	95.7	97.4	97.8	97.8	97.8	97.8	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.1
GE 200	87.7	94.0	94.6	95.7	97.4	97.8	97.8	97.8	97.8	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.1
GE 100	87.7	94.0	94.6	95.7	97.4	97.8	97.8	97.8	97.8	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.1
GE 0	87.7	94.0	94.6	95.7	97.4	97.8	97.8	97.8	97.8	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.1

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS (LST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	47.3	48.1	48.1	48.1	48.1	48.1	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
GE 20000	53.6	54.3	54.3	54.3	54.3	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
GE 18000	54.0	54.8	54.8	54.8	54.8	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
GE 16000	54.1	54.9	54.9	54.9	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GE 14000	54.6	55.3	55.3	55.3	55.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 12000	56.8	57.7	57.7	57.7	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
GE 10000	58.6	59.4	59.4	59.4	59.4	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
GE 9000	59.3	60.2	60.2	60.2	60.2	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 8000	61.8	62.8	62.8	62.8	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
GE 7000	63.9	65.2	65.4	65.4	65.4	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE 6000	64.8	66.3	66.6	66.6	66.6	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
GE 5000	66.6	68.1	68.3	68.3	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
GE 4500	68.0	69.7	69.9	69.9	69.9	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
GE 4000	70.3	72.0	72.2	72.2	72.2	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 3500	72.3	74.1	74.3	74.3	74.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
GE 3000	76.0	77.8	78.0	78.0	78.0	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 2500	80.2	82.2	82.4	82.4	82.4	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 2000	82.8	85.0	85.2	85.2	85.3	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 1800	84.1	86.3	86.6	86.6	86.7	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 1500	86.3	89.1	89.4	89.7	89.8	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 1200	88.0	91.2	91.7	91.9	92.0	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 1000	88.7	92.4	93.0	93.4	93.9	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 900	89.4	93.2	93.8	94.4	94.9	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 800	89.9	94.1	94.7	95.3	95.9	96.4	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 700	90.1	94.7	95.3	96.0	96.7	97.2	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 600	90.7	95.3	96.1	96.9	97.7	98.2	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 500	90.8	95.4	96.2	97.0	97.8	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 400	90.8	95.4	96.4	97.3	98.3	99.0	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	90.8	95.4	96.4	97.3	98.3	99.0	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	90.8	95.4	96.4	97.3	98.3	99.0	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	90.8	95.4	96.4	97.3	98.3	99.0	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-84  
MONTH: SEP HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 7/16	GE 1/4	GE 0
NO CEIL	48.4	49.3	49.3	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
GE 20000	54.7	55.6	55.6	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
GE 18000	55.1	56.0	56.0	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
GE 16000	55.1	56.0	56.0	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
GE 14000	55.6	56.4	56.4	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 12000	56.0	58.9	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 10000	62.3	61.2	61.2	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
GE 9000	61.1	62.0	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 8000	64.6	66.0	66.0	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
GE 7000	66.0	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
GE 6000	66.9	68.4	68.4	68.7	69.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
GE 5000	68.9	70.4	70.4	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
GE 4500	72.0	73.6	73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 4000	75.1	76.8	76.8	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 3500	77.4	79.2	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
GE 3000	81.7	83.8	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 2500	86.1	88.4	88.6	88.6	88.6	88.6	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 2000	87.3	89.8	90.0	90.3	90.3	90.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 1800	88.0	90.6	90.8	91.2	91.2	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 1600	88.7	91.9	92.1	92.6	92.8	92.8	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 1200	89.1	92.3	92.7	93.3	93.3	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 1000	89.7	93.1	93.4	94.1	94.1	94.1	94.4	94.4	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 900	89.9	93.8	94.1	94.9	95.0	95.0	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 800	90.2	94.2	94.7	95.4	95.6	95.6	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 700	90.2	94.8	95.2	96.1	96.3	96.3	96.8	96.8	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 600	90.3	95.1	95.7	96.6	97.1	97.1	97.7	97.7	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 500	90.4	95.2	95.6	96.7	97.4	97.6	98.4	98.6	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 400	90.6	95.3	96.0	97.0	97.9	98.0	99.2	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	90.6	95.3	96.0	97.0	97.9	98.0	99.2	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	90.6	95.3	96.0	97.0	97.9	98.0	99.2	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	90.6	95.3	96.0	97.0	97.9	98.0	99.2	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	92.6	95.3	96.0	97.0	97.9	98.0	99.2	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(IST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	55.7	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
GE 20000	63.0	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
GE 18000	63.4	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
GE 16000	63.4	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
GE 14000	63.8	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
GE 12000	65.8	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 10000	67.9	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 9000	69.1	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 8000	72.3	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
GE 7000	73.4	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
GE 6000	74.1	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
GE 5000	76.8	77.6	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
GE 4500	79.6	80.3	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 4000	82.2	83.0	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 3500	84.6	85.3	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 3000	86.7	87.6	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE 2500	88.8	89.8	90.4	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
GE 2000	89.6	90.9	91.7	91.8	92.0	92.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 1800	89.9	91.3	92.1	92.2	92.4	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 1500	90.4	92.1	92.9	93.0	93.3	93.4	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 1200	90.7	92.3	93.1	93.2	93.6	93.6	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 1000	91.1	93.0	93.8	93.9	94.2	94.4	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 900	91.3	93.3	94.2	94.6	94.9	95.1	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 800	91.3	93.3	94.2	94.6	94.9	95.1	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 700	91.9	93.9	94.9	95.2	95.6	95.8	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 600	92.3	94.3	95.3	95.9	96.3	96.6	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 500	92.4	94.6	95.9	96.7	97.2	97.6	98.4	98.9	98.9	98.9	99.0	99.7	99.9	99.9	99.9	99.9
GE 400	92.4	94.7	96.0	96.9	97.6	98.0	99.0	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	92.4	94.7	96.0	96.9	97.6	98.0	99.1	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	92.4	94.7	96.0	96.9	97.6	98.0	99.1	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	92.4	94.7	96.0	96.9	97.6	98.0	99.1	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE CL	92.4	94.7	96.0	96.9	97.6	98.0	99.1	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTHS: SEP HOURS(EST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 20000	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
GE 18000	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 16000	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 14000	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 12000	68.9	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 10000	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 9000	73.6	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 8000	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE 7000	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
GE 6000	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 5000	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 4500	84.4	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 4000	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 3500	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 3000	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 2500	90.1	90.1	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 2000	91.9	91.9	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 1800	91.0	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 1500	91.8	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 1200	92.4	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 1000	92.4	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 900	93.1	94.1	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 800	93.6	94.6	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 700	93.6	94.6	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 600	93.7	94.8	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 500	93.7	94.1	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 400	93.7	95.2	95.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 300	93.7	95.3	95.8	96.3	97.1	97.4	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 200	93.7	95.3	95.9	96.4	97.2	97.7	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 100	93.7	95.3	95.9	96.4	97.2	97.7	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 0	93.7	95.3	95.9	96.4	97.2	97.7	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS/SET: ALL

CEILING		VISIBILITY IN STATUTE MILES															
IN	FEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
NO CEIL	53.3	53.9	54.0	54.1	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
GE 20000	57.9	58.5	58.6	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
GE 18000	59.7	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
GE 16000	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 14000	59.4	59.4	59.5	59.6	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 12000	61.1	61.7	61.6	61.6	61.9	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
GE 10000	63.7	64.3	64.4	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
GE 9000	65.3	65.9	66.0	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
GE 8000	68.4	69.2	69.3	69.4	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
GE 7000	70.3	71.2	71.4	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 6000	71.7	72.6	72.6	72.9	73.0	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 5000	74.6	75.7	75.9	75.9	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE 4500	76.3	77.4	77.6	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
GE 4000	77.9	79.1	79.3	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
GE 3500	79.4	80.7	80.8	80.9	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 3000	81.8	83.1	83.3	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
GE 2500	84.1	85.6	85.9	85.9	86.0	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 2000	85.6	87.1	87.4	87.5	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 1800	86.0	87.6	87.9	88.1	88.2	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 1500	87.3	89.2	89.5	89.7	89.9	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 1200	89.3	90.4	90.5	91.0	91.3	91.4	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 1000	89.8	91.3	91.7	91.9	92.2	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 900	89.4	92.0	92.5	92.8	93.1	93.3	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 800	89.7	92.5	93.0	93.4	93.7	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 700	89.9	93.0	93.5	94.0	94.4	94.5	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 600	90.7	93.5	94.2	94.7	95.3	95.4	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 500	90.4	93.8	94.8	95.5	96.3	96.5	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 400	90.5	94.1	95.1	95.9	97.0	97.3	97.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 300	90.5	94.2	95.2	96.1	97.2	97.5	98.3	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 200	90.5	94.2	95.3	96.1	97.3	97.6	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 100	90.5	94.2	95.3	96.1	97.3	97.6	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 0	90.7	94.2	95.3	96.1	97.3	97.6	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS: 7700

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-PK

MONTH: OCT HOURS: 0000-2400

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1	GE 1	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16
NO CELL	1	60.2	60.8	60.8	60.8	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
GE 20000	64.6	65.2	65.2	65.2	65.2	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 18000	64.6	65.2	65.2	65.2	65.2	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 16000	64.6	65.2	65.2	65.2	65.2	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 14000	65.4	65.9	65.9	65.9	65.9	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 12000	67.0	67.5	67.5	67.5	67.5	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 10000	70.2	70.6	70.6	70.6	70.6	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 9000	70.6	71.2	71.2	71.2	71.2	71.3	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE 8000	73.4	74.0	74.0	74.0	74.1	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE 7000	75.2	75.7	75.7	75.7	75.7	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 6000	76.0	76.6	76.6	76.6	76.7	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GE 5000	77.1	77.7	77.7	77.7	77.8	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
GE 4500	79.0	79.7	79.7	79.7	79.8	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 4000	79.8	80.4	80.4	80.4	80.5	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 3500	80.8	81.4	81.4	81.4	81.5	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 3000	82.9	83.5	83.5	83.5	83.7	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 2500	84.9	85.7	85.7	85.7	86.0	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 2000	87.1	87.8	87.8	87.8	88.1	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 1800	87.8	88.6	88.6	88.6	88.9	89.0	89.6	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 1600	89.8	89.9	89.9	89.9	90.4	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 1400	89.6	90.8	91.1	91.1	91.3	91.9	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 1000	90.2	91.4	91.7	91.7	91.9	92.6	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 900	90.9	92.3	92.6	92.6	93.0	93.7	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 800	91.2	92.7	93.3	93.3	93.5	94.2	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 700	91.2	92.7	93.3	93.3	93.7	94.3	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 600	91.2	92.7	93.3	93.3	93.9	94.5	94.7	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 500	91.6	93.2	93.9	93.9	94.4	95.1	95.3	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 400	91.6	93.5	94.3	94.3	94.9	95.8	96.0	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 300	91.6	93.7	94.4	94.4	95.1	95.9	96.1	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 200	91.6	93.7	94.4	94.4	95.1	95.9	96.1	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 100	91.6	93.8	94.5	94.5	95.2	96.0	96.2	97.0	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE	91.6	93.8	94.5	94.5	95.2	96.0	96.2	97.0	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINDI AFB ND

PERIOD OF RECORD: 77-PF  
MONTH: OCT HOURS/DATE: 2400-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/16	GE 1/4	GE 1/8
NO CEIL	59.7	59.9	59.9	60.3	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 20000	64.0	64.2	64.2	64.6	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 18000	64.2	64.4	64.4	64.8	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
GE 16000	64.2	64.4	64.4	64.8	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
GE 14000	65.3	65.5	65.5	65.9	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
GE 12000	66.8	67.1	67.1	67.5	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
GE 10000	69.4	69.7	69.7	70.1	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
GE 9000	69.9	70.2	70.2	70.6	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 8000	71.7	72.2	72.2	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 7000	72.6	73.0	73.0	73.4	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 6000	73.3	73.8	73.8	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
GE 5000	74.7	75.2	75.2	75.6	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
GE 4000	76.9	77.3	77.3	77.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 3000	77.3	77.7	77.7	78.2	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
GE 2000	78.9	79.4	79.4	79.8	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 1000	81.2	81.6	81.6	82.0	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 2500	82.6	83.0	83.1	83.5	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 2000	84.0	84.4	84.5	84.9	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 1800	84.5	84.9	85.1	85.5	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 1600	86.5	86.9	87.0	87.4	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 1400	87.4	88.0	88.1	88.5	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 1200	88.0	88.6	88.8	89.4	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 1000	88.7	89.5	89.7	90.2	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 900	89.4	90.3	90.5	91.1	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 800	89.6	90.8	91.1	91.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 700	89.8	91.4	91.9	92.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 600	90.3	92.2	92.8	93.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 500	90.5	92.4	93.0	93.9	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 400	90.8	92.6	93.2	94.1	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 300	90.8	92.6	93.2	94.1	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 200	90.8	92.7	93.3	94.2	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 100	90.8	92.7	93.3	94.2	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 0	90.8	92.7	93.3	94.2	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7

TOTAL NUMBER OF OBSERVATIONS: 930



GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 1966  
MONTH: OCT HOURS: 0000-0600

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1	1/2	1/4	1/8	1/16	1/32	1/64	1/128	1/256	1/512	1/1024	1/2048	1/4096	1/8192	1/16384	1/32768
NO CEIL	1	50.1	57.3	57.9	57.5	57.5	57.5	58.2	58.3	58.7	58.9	59.1	59.5	59.6	59.8	59.9
GE 20000	59.2	60.4	60.5	60.4	61.1	61.1	61.4	61.5	61.7	61.8	61.7	61.7	61.7	61.8	61.8	61.8
GE 18000	59.4	60.5	60.6	60.9	61.1	61.2	61.5	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
GE 16000	59.4	60.5	60.6	60.9	61.1	61.2	61.5	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
GE 14000	60.4	60.6	60.7	60.9	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 12000	62.4	63.7	63.6	64.0	64.3	64.3	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 10000	64.4	65.9	66.1	66.2	66.7	66.7	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 9000	65.5	66.6	67.0	67.0	67.5	67.5	67.8	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1
GE 8000	68.1	69.6	69.6	70.0	70.3	70.3	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 7000	69.0	70.5	70.8	71.0	71.3	71.3	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 6000	69.7	71.2	71.4	71.6	71.9	71.9	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
GE 5000	70.5	71.5	71.7	72.0	72.5	72.5	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 4000	71.9	73.4	73.7	74.0	74.4	74.4	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
GE 3000	72.7	74.2	74.4	74.7	75.2	75.2	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 2000	74.3	75.9	76.1	76.5	76.9	76.9	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 1000	75.8	77.4	77.6	78.0	78.4	78.4	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 500	78.4	80.3	80.5	80.9	81.3	81.3	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 200	80.2	82.0	82.4	82.7	83.1	83.1	83.5	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 100	80.9	82.7	83.0	83.4	83.9	83.9	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 50	82.5	84.3	84.7	85.0	85.4	85.4	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 20	83.4	85.5	86.1	86.4	86.9	86.9	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 10	84.3	86.9	87.6	88.0	88.4	88.4	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 5	84.7	87.1	87.8	88.5	88.9	88.9	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 2	84.7	87.4	88.0	88.1	88.7	88.7	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 1	84.7	87.6	88.5	89.5	91.0	91.0	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 0	84.4	88.2	89.0	90.0	91.7	91.9	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 5001	85.4	87.1	87.9	88.0	88.4	88.4	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 4001	85.5	87.2	87.5	87.5	88.0	88.0	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 3001	85.6	87.4	87.6	87.6	88.1	88.1	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 2001	85.6	87.6	87.8	87.8	88.3	88.3	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 1001	85.7	87.7	87.8	87.8	88.3	88.3	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 501	85.7	87.7	87.8	87.8	88.3	88.3	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8

TOTAL NUMBER OF OBSERVATIONS: 430

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 77-86  
MONTH: OCT      FOURSIFTH: 0900-1100

CEILING	VISIBILITY IN STATUTE MILES																	
	IN FEET	1 1/2	2	3	4	5	6	7	8	9	10	1 1/2	1 1/4	1	3/4	5/8	1/2	1/4
NO CELL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
CEILING	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
2	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
3	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
4	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
5	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
6	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
7	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
8	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
9	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
10	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
11	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
12	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
13	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
14	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
15	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
16	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
17	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
18	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
19	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
20	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
21	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
22	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
23	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
24	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
25	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42
26	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43
27	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44
28	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
29	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46
30	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
31	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
32	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
33	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
34	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51
35	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
36	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53
37	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54
38	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
39	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
40	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
41	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58
42	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59
43	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
44	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61
45	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62
46	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63
47	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64
48	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65
49	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66
50	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67
51	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68
52	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69
53	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70
54	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71
55	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72
56	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73
57	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74
58	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
59	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76
60	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77
61	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78
62	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79
63	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
64	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
65	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82
66	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83
67	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84
68	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85
69	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86
70	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87
71	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88
72	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89
73	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
74	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91
75	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92
76	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93
77	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94
78	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95
79	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96
80	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97
81	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98
82	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99
83	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
84	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101
85	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102
86	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103
87	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104
88	88	89	90	91	92	93	94	95	96	97								

TOTAL NUMBER OF OBSERVATIONS: 931

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(EST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1	GE 1/2	GE 1/4	GE 1	GE 1/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	53.7	53.7	53.4	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
GE 20000	59.7	59.7	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 18000	59.7	59.7	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 16000	59.9	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
GE 14000	62.6	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 12000	62.5	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
GE 10000	64.4	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
GE 8000	65.4	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
GE 6000	68.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE 4000	69.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 2000	72.2	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
GE 5000	72.6	72.0	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 4500	71.4	72.8	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 4000	72.0	73.5	73.8	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 3500	72.6	74.2	74.4	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
GE 3000	74.1	75.8	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
GE 2500	77.3	79.2	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 2000	81.0	83.3	83.5	83.5	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 1800	82.0	84.4	84.6	84.6	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
GE 1500	83.9	86.5	87.0	87.4	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE 1200	85.1	88.0	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE 1000	86.9	90.2	90.9	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 900	86.4	90.3	91.3	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 800	87.1	91.2	92.2	92.4	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 700	87.3	91.9	92.9	93.8	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 600	87.4	92.2	93.3	94.3	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 500	87.5	92.7	94.1	95.3	96.3	96.7	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 400	87.5	92.7	94.2	95.4	96.6	96.9	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 300	87.5	92.7	94.2	95.4	96.7	97.0	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 200	87.5	92.7	94.2	95.4	96.7	97.0	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 100	87.5	92.7	94.2	95.4	96.7	97.0	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7

TOTAL NUMBER OF OBSERVATIONS: 920

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: HIGHT AFB ND

PERIOD OF RECORD: 77-84  
MONTH: OCT HOURS(IST): 1500-1700

CEILING		VISIBILITY IN STATUTE MILES																
IN FEET	1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0	
NO CEIL	52.6	52.8	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	
GE 20000	60.2	60.6	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	
GE 18000	60.6	61.1	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	
GE 16000	61.0	61.4	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	
GE 14000	62.3	62.7	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	
GE 12000	64.5	64.9	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	
GE 10000	67.0	67.6	67.8	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	
GE 9000	68.1	68.9	69.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	
GE 8000	71.1	72.0	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	
GE 7000	72.2	73.1	73.3	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	
GE 6000	72.5	73.4	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	
GE 5000	73.9	74.9	75.3	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	
GE 4500	75.4	76.5	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	
GE 4000	76.8	78.1	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	
GE 3500	78.6	79.9	80.2	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	
GE 3000	81.1	82.4	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	
GE 2500	83.1	84.4	84.7	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	
GE 2000	85.3	86.8	87.2	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	
GE 1500	86.1	87.7	88.2	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	
GE 1000	87.4	89.6	90.0	90.3	90.4	90.4	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	
GE 800	88.4	91.5	92.2	92.7	92.8	92.8	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	
GE 600	88.9	92.8	93.5	94.3	94.5	94.5	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	
GE 500	89.5	93.7	94.6	95.4	95.6	95.6	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	
GE 400	89.9	93.9	95.1	95.8	96.0	96.0	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	
GE 300	89.7	94.5	95.7	96.6	96.9	96.9	96.9	97.1	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	
GE 200	89.7	94.7	95.9	96.8	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	
GE 150	89.8	94.9	96.1	97.0	97.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	
GE 100	89.9	95.3	96.5	97.3	97.8	97.8	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	
GE 50	89.9	95.3	96.5	97.3	97.8	97.8	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS (LST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 1 1/2	GE 2	GE 3	GE 4	GE 5	GE 6	GE 7	GE 8	GE 9	GE 10	GE 11	GE 12	GE 13	GE 14	GE 15
NO CEIL	52.5	53.1	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
GE 20000	59.4	60.0	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 18000	60.1	60.8	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 16000	60.4	61.1	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 14000	62.3	62.9	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
GE 12000	64.5	65.4	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 10000	67.4	68.4	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 9000	69.5	69.5	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 8000	72.0	73.2	73.3	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
GE 7000	73.4	74.6	74.7	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
GE 6000	74.3	75.6	75.8	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE 5000	74.1	77.5	78.0	78.2	78.4	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
GE 4500	77.7	79.1	79.6	79.8	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 4000	78.8	80.2	80.6	80.9	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
GE 3500	80.8	82.3	82.7	82.9	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 3000	81.9	85.4	85.9	86.1	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 2500	85.2	86.9	87.4	87.6	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 2000	87.2	89.2	89.8	90.0	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 1800	88.1	90.2	90.8	91.0	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 1600	89.4	91.7	92.4	92.6	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 1200	90.5	93.2	94.0	94.3	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 1000	90.6	93.5	94.4	94.8	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 900	91.5	94.5	95.4	95.8	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 800	91.5	94.5	95.4	96.0	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 700	92.2	95.3	96.1	96.4	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 600	92.4	95.6	96.5	97.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 500	92.4	95.8	96.7	97.5	98.3	98.3	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 400	92.4	95.9	96.8	97.6	98.4	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 300	92.4	95.9	96.8	97.6	98.4	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 200	92.4	95.9	96.8	97.6	98.4	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 100	92.4	95.9	96.8	97.6	98.4	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 0	92.4	95.9	96.8	97.6	98.4	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS (LST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	58.2	58.6	58.6	58.7	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
GE 20000	63.7	64.1	64.1	64.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
GE 18000	63.7	64.1	64.1	64.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
GE 16000	63.7	64.1	64.1	64.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
GE 14000	64.6	65.1	65.1	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 12000	67.5	68.1	68.1	68.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 10000	70.9	71.5	71.5	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE 9000	71.6	72.3	72.3	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 8000	74.8	75.6	75.6	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
GE 7000	76.6	77.3	77.3	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 6000	77.5	78.3	78.3	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 5000	78.4	79.2	79.2	79.4	79.6	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE 4000	79.6	80.4	80.4	80.6	80.9	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 3000	80.5	81.5	81.5	81.7	81.9	82.0	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 2000	82.8	83.8	83.8	84.1	84.3	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 1000	85.1	86.5	86.5	86.9	87.0	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 2500	87.4	88.6	88.6	89.0	89.2	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE 2000	89.6	90.8	90.9	91.3	91.5	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 1800	90.3	91.5	91.6	92.0	92.3	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 1500	91.2	92.4	92.6	93.0	93.2	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 1200	91.9	93.1	93.3	93.8	94.0	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 1000	92.4	93.9	94.4	94.8	95.2	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 900	92.8	94.3	94.8	95.3	95.6	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 800	93.0	94.7	95.2	95.8	96.2	96.3	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 700	93.2	94.9	95.5	96.0	96.4	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 600	93.2	94.9	95.5	96.1	96.6	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 500	93.2	94.9	95.5	96.1	96.6	97.1	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 400	93.7	95.2	95.7	96.6	97.1	97.5	97.8	98.0	98.0	98.3	98.5	98.5	98.5	98.5	98.5	98.5
GE 300	93.3	95.3	95.9	96.8	97.6	97.8	98.3	98.5	98.5	98.9	99.2	99.2	99.2	99.2	99.2	99.2
GE 200	93.3	95.3	95.9	96.8	97.6	97.8	98.3	98.5	98.5	99.0	99.4	99.4	99.4	99.4	99.4	99.4
GE 100	93.3	95.3	95.9	96.8	97.6	97.8	98.3	98.5	98.5	99.1	99.5	99.5	99.5	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(EST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 7/16	GE 1/4	GE 0
NO CEIL	55.8	56.4	56.5	56.6	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.9	56.9	56.9	56.9
GE 20000	60.9	61.5	61.6	61.7	61.7	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.1
GE 18000	61.1	61.7	61.8	62.0	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.3	62.3	62.3
GE 16000	61.3	61.9	62.0	62.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.4	62.4	62.4
GE 14000	62.6	63.2	63.3	63.4	63.6	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 12000	64.7	65.4	65.5	65.7	65.8	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	66.0	66.0	66.0
GE 10000	67.4	68.2	68.3	68.5	68.7	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.9	68.9
GE 9000	68.2	69.1	69.2	69.4	69.5	69.5	69.6	69.6	69.6	69.6	69.6	69.7	69.7	69.7	69.7	69.7
GE 8000	71.0	72.0	72.1	72.3	72.5	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.7	72.7
GE 7000	72.3	73.3	73.4	73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.9	73.9	73.9	73.9	74.0
GE 6000	73.1	74.1	74.2	74.4	74.6	74.6	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
GE 5000	74.2	75.2	75.4	75.6	75.9	75.9	76.0	76.0	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.2
GE 4500	75.6	76.7	76.9	77.1	77.4	77.4	77.5	77.5	77.5	77.5	77.6	77.6	77.6	77.6	77.6	77.7
GE 4000	76.5	77.6	77.8	78.0	78.3	78.3	78.4	78.4	78.4	78.4	78.5	78.5	78.5	78.5	78.5	78.6
GE 3500	77.9	79.1	79.3	79.5	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	80.0	80.0	80.0	80.1
GE 3000	80.0	81.2	81.5	81.7	81.9	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.2	82.2	82.2	82.2
GE 2500	81.9	83.3	83.6	83.8	84.1	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.4	84.4
GE 2000	84.1	85.7	86.0	86.3	86.6	86.6	86.7	86.7	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.9
GE 1800	84.9	86.5	86.8	87.1	87.4	87.4	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.7
GE 1500	86.4	88.2	88.6	89.0	89.4	89.4	89.5	89.6	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.8
GE 1200	87.4	89.5	90.0	90.5	90.9	90.9	91.0	91.1	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.3
GE 1000	88.1	90.6	91.2	91.7	92.2	92.3	92.4	92.5	92.5	92.5	92.6	92.6	92.6	92.6	92.7	92.7
GE 900	88.6	91.2	91.9	92.4	93.0	93.0	93.1	93.2	93.2	93.3	93.4	93.4	93.4	93.4	93.4	93.5
GE 800	88.8	91.7	92.4	93.0	93.7	93.8	93.9	94.0	94.0	94.1	94.1	94.2	94.2	94.2	94.2	94.3
GE 700	89.0	92.0	92.8	93.6	94.4	94.5	94.7	94.8	94.8	94.8	95.0	95.0	95.1	95.2	95.2	95.3
GE 600	89.7	92.4	93.3	94.1	94.9	95.0	95.3	95.5	95.5	95.8	96.0	96.0	96.1	96.2	96.2	96.3
GE 500	89.4	92.9	93.9	94.9	96.0	96.1	96.5	96.8	96.8	97.2	97.4	97.5	97.6	97.7	97.7	97.8
GE 400	89.5	93.1	94.1	95.1	96.4	96.5	97.0	97.4	97.5	97.9	98.1	98.2	98.3	98.4	98.4	98.5
GE 300	89.5	93.1	94.2	95.2	96.5	96.7	97.2	97.7	97.9	98.3	98.7	98.8	99.0	99.1	99.2	99.3
GE 200	89.5	93.2	94.2	95.3	96.6	96.7	97.2	97.8	97.9	98.5	99.0	99.1	99.3	99.4	99.6	99.7
GE 100	89.5	93.2	94.3	95.3	96.6	96.6	97.3	97.8	97.9	98.6	99.1	99.2	99.4	99.5	99.7	99.9
GE 0	89.5	93.2	94.3	95.3	96.6	96.8	97.3	97.8	97.9	98.6	99.1	99.2	99.4	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86

MONTH: NOV HOURS(IST): 0700-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 7/4	GE 5/4	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	52.4	53.3	53.7	54.1	54.6	54.6	54.7	54.9	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.1
GE 20000	55.9	56.9	57.2	57.7	58.2	58.2	58.3	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.8
GE 18000	56.1	57.1	57.4	57.9	58.4	58.4	58.6	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9	59.0
GE 16000	56.2	57.2	57.6	58.0	58.6	58.6	58.7	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.1
GE 14000	56.8	57.9	58.2	58.7	59.2	59.2	59.3	59.6	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.8
GE 12000	56.6	59.7	60.1	60.6	61.1	61.1	61.2	61.4	61.4	61.6	61.6	61.6	61.6	61.6	61.6	61.7
GE 10000	60.9	62.0	62.4	62.9	63.4	63.4	63.6	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	64.0
GE 9000	61.6	62.7	63.1	63.6	64.1	64.1	64.2	64.4	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.7
GE 8000	62.9	64.0	64.4	64.9	65.4	65.4	65.6	65.8	65.8	65.9	65.9	65.9	65.9	65.9	65.9	66.0
GE 7000	65.0	66.1	66.6	67.0	67.6	67.6	67.7	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.1
GE 6000	65.8	67.1	67.6	68.0	68.6	68.6	68.7	68.9	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.1
GE 5000	67.2	68.7	69.1	69.7	70.3	70.3	70.6	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9	71.0
GE 4500	68.4	69.9	70.3	70.9	71.6	71.6	71.8	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.2
GE 4000	69.3	70.8	71.2	71.8	72.4	72.4	72.7	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.1
GE 3500	71.1	72.6	73.0	73.6	74.2	74.2	74.4	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.9
GE 3000	71.9	73.3	73.9	74.6	75.2	75.2	75.4	75.8	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.2
GE 2500	73.9	75.7	76.2	76.9	77.6	77.6	77.8	78.1	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.6
GE 2000	75.2	77.2	77.8	78.4	79.1	79.1	79.3	79.7	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.1
GE 1800	75.7	77.9	78.6	79.2	79.9	79.9	80.1	80.4	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.7
GE 1500	76.8	79.2	80.2	81.0	81.7	81.7	82.0	82.3	82.4	82.7	82.7	82.7	82.7	82.7	82.7	82.8
GE 1200	79.6	82.8	84.0	84.6	85.4	85.4	86.0	86.3	86.4	87.1	87.2	87.2	87.2	87.2	87.2	87.4
GE 1000	81.6	84.9	86.1	86.9	87.7	87.7	88.2	88.6	88.7	89.4	89.7	89.7	89.8	89.8	89.8	89.9
GE 900	82.2	85.6	87.1	87.9	88.7	88.7	89.2	89.6	89.7	90.6	90.9	90.9	91.2	91.2	91.2	91.3
GE 800	82.4	86.3	87.7	88.4	89.2	89.3	90.0	90.3	90.4	91.3	91.7	91.7	92.0	92.0	92.0	92.1
GE 700	83.2	87.6	88.9	89.7	90.7	90.8	91.4	91.8	91.9	92.8	93.1	93.1	93.4	93.6	93.6	93.7
GE 600	84.1	88.8	90.1	90.9	91.9	92.0	92.7	93.0	93.1	94.0	94.4	94.4	94.8	94.9	94.9	95.0
GE 500	84.1	89.1	90.7	91.4	92.6	92.7	93.3	93.8	94.0	94.9	95.7	95.7	96.0	96.3	96.3	96.6
GE 400	84.3	89.3	90.9	91.7	93.1	93.2	93.9	94.4	94.7	95.8	96.6	96.6	96.9	97.3	97.3	97.6
GE 300	84.4	89.4	91.0	91.8	93.2	93.3	94.2	94.6	95.1	96.4	97.3	97.3	97.7	98.1	98.2	98.4
GE 200	84.4	89.4	91.0	91.8	93.2	93.3	94.2	94.4	95.2	96.8	98.2	98.2	98.9	99.2	99.3	99.7
GE 100	84.4	89.4	91.0	91.8	93.2	93.3	94.2	94.9	95.2	97.0	98.4	98.4	99.0	99.4	99.6	100.0
GE 0	84.4	89.4	91.0	91.8	93.2	93.3	94.2	94.9	95.2	97.0	98.4	98.4	99.0	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86

MONTH: NOV

HOURS(IST): 0300-0500

CEILING		VISIBILITY IN STATUTE MILES															
IN FEET	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
	1	1 1/2	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
NO CEIL	50.7	51.1	51.1	51.3	51.4	51.4	51.7	51.7	51.7	51.6	51.9	52.0	52.2	52.3	52.3	52.4	
GE 20000	54.6	55.0	55.0	55.2	55.3	55.3	55.6	55.6	55.6	55.7	55.8	55.9	56.1	56.2	56.2	56.3	
GE 18000	54.6	55.0	55.0	55.2	55.3	55.3	55.6	55.6	55.6	55.7	55.8	55.9	56.1	56.2	56.2	56.3	
GE 16000	54.6	55.0	55.0	55.2	55.3	55.3	55.6	55.6	55.6	55.7	55.8	55.9	56.1	56.2	56.2	56.3	
GE 14000	55.0	55.4	55.4	55.7	55.8	55.8	56.0	56.0	56.0	56.1	56.2	56.3	56.6	56.7	56.7	56.8	
GE 12000	57.2	57.7	57.7	57.9	58.0	58.0	58.2	58.2	58.2	58.3	58.4	58.6	58.8	58.9	58.9	59.0	
GE 10000	60.2	60.7	60.7	60.9	61.2	61.2	61.4	61.4	61.4	61.6	61.7	61.8	62.0	62.1	62.1	62.2	
GE 9000	61.2	61.8	61.8	62.0	62.3	62.3	62.6	62.6	62.6	62.7	62.8	62.9	63.1	63.2	63.2	63.3	
GE 8000	62.3	62.9	63.0	63.2	63.6	63.6	63.8	63.8	63.8	63.9	64.0	64.1	64.3	64.4	64.4	64.6	
GE 7000	63.9	64.6	64.7	64.9	65.2	65.2	65.4	65.4	65.4	65.6	65.7	65.8	66.0	66.1	66.1	66.2	
GE 6000	64.3	65.1	65.2	65.4	65.8	65.8	66.0	66.0	66.0	66.1	66.2	66.3	66.6	66.7	66.7	66.8	
GE 5000	65.7	66.8	66.9	67.2	67.6	67.7	67.9	67.9	67.9	68.0	68.1	68.2	68.4	68.6	68.6	68.7	
GE 4500	67.4	68.7	68.8	69.1	69.4	69.6	69.8	69.8	69.8	69.9	70.0	70.1	70.3	70.4	70.4	70.6	
GE 4000	67.6	68.9	69.1	69.4	69.8	69.9	70.2	70.3	70.3	70.4	70.6	70.7	70.9	71.0	71.0	71.1	
GE 3500	68.6	69.9	70.1	70.4	70.8	70.9	71.2	71.3	71.3	71.4	71.6	71.7	71.9	72.0	72.0	72.1	
GE 3000	70.1	71.6	71.9	72.2	72.6	72.7	73.0	73.4	73.4	73.6	73.7	73.8	74.0	74.1	74.1	74.2	
GE 2500	71.7	73.1	73.4	73.9	74.2	74.3	74.7	75.1	75.1	75.2	75.3	75.4	75.7	75.8	75.8	75.9	
GE 2000	72.8	74.9	75.2	75.7	76.1	76.2	76.6	77.0	77.0	77.1	77.2	77.3	77.6	77.7	77.7	77.8	
GE 1800	73.9	76.1	76.4	76.9	77.3	77.4	77.8	78.2	78.2	78.3	78.4	78.6	78.8	78.9	78.9	79.0	
GE 1500	75.6	78.2	78.7	79.1	79.6	79.7	80.0	80.4	80.6	80.7	80.8	80.9	81.1	81.3	81.3	81.4	
GE 1200	78.0	81.4	81.9	82.3	82.8	82.9	83.3	83.9	84.0	84.1	84.2	84.3	84.6	84.8	84.8	85.1	
GE 1000	81.0	84.8	85.3	85.9	86.3	86.4	86.9	87.6	87.7	87.8	88.0	88.1	88.3	88.6	88.6	88.9	
GE 900	81.3	85.8	86.2	86.9	87.3	87.4	88.0	88.7	88.8	88.9	89.3	89.4	89.7	89.9	89.9	90.2	
GE 800	81.3	86.1	86.8	87.6	88.1	88.2	88.8	89.4	89.6	89.7	90.2	90.3	90.6	90.8	90.8	91.1	
GE 700	81.8	87.0	87.7	88.4	89.2	89.3	90.0	90.7	90.8	90.9	91.4	91.6	91.9	92.0	92.0	92.3	
GE 600	82.0	87.8	88.4	89.2	90.0	90.1	90.8	91.4	91.6	91.9	92.4	92.6	92.8	93.0	93.0	93.3	
GE 500	83.7	89.6	90.6	91.4	92.3	92.4	93.2	94.0	94.1	94.7	95.2	95.3	95.6	95.8	95.8	96.1	
GE 400	83.7	89.8	90.9	91.8	92.8	92.9	93.7	94.4	94.6	95.1	95.7	95.8	96.1	96.4	96.7	97.0	
GE 300	83.8	89.9	91.1	92.4	94.1	94.2	95.1	96.0	96.1	96.6	97.7	97.8	98.3	98.8	99.1	99.4	
GE 200	83.8	90.0	91.2	92.6	94.2	94.3	95.3	96.2	96.3	97.0	98.0	98.1	98.7	99.1	99.4	99.9	
GE 100	83.8	90.0	91.2	92.6	94.2	94.3	95.3	96.2	96.3	97.0	98.0	98.1	98.7	99.1	99.4	100.0	
GE 0	83.8	90.0	91.2	92.6	94.2	94.3	95.3	96.2	96.3	97.0	98.0	98.1	98.7	99.1	99.4	100.0	

TOTAL NUMBER OF OBSERVATIONS: 200

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-84  
MONTH: NOV HOURS(EST): 0600-2500

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	49.2	49.7	50.0	50.0	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
GE 20000	53.4	54.1	54.4	54.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
GE 18000	53.6	54.2	54.6	54.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
GE 16000	53.6	54.2	54.6	54.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
GE 14000	53.6	54.2	54.6	54.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
GE 12000	56.1	56.8	57.1	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
GE 10000	58.3	59.1	59.4	59.6	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
GE 9000	59.1	60.0	60.3	60.4	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
GE 8000	61.1	62.1	62.4	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE 7000	62.2	63.2	63.6	63.9	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
GE 6000	62.4	63.4	63.8	64.1	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
GE 5000	62.7	64.9	65.6	65.9	66.1	66.2	66.4	66.4	66.4	66.4	66.6	66.6	66.6	66.6	66.6	66.6
GE 4500	65.4	66.9	67.6	67.9	68.3	68.4	68.7	68.7	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8
GE 4000	65.8	67.4	68.1	68.7	69.2	69.3	69.7	69.7	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8
GE 3500	66.4	68.2	69.9	69.8	70.3	70.4	70.8	70.8	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9
GE 3000	66.9	68.7	69.3	70.2	71.0	71.1	71.4	71.4	71.4	71.4	71.6	71.6	71.6	71.6	71.6	71.6
GE 2500	68.3	70.1	71.0	72.2	73.1	73.2	73.7	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 2000	70.1	71.9	72.8	74.0	75.0	75.1	75.7	75.9	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2
GE 1800	70.7	72.9	73.8	75.1	76.1	76.2	76.8	77.0	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 1600	72.9	75.4	76.4	77.9	79.9	79.0	79.6	79.8	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 1200	75.2	78.1	79.1	80.6	81.7	81.9	82.4	82.7	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 1000	76.0	79.8	80.9	82.3	83.4	83.7	84.3	84.7	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE 900	77.9	81.9	83.0	84.4	85.6	85.6	86.4	86.8	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 800	78.6	82.8	84.0	85.4	86.7	86.9	87.7	88.0	88.2	88.3	88.7	88.7	88.7	88.7	88.7	88.7
GE 700	79.0	83.4	84.7	86.2	87.4	87.7	88.4	88.8	89.0	89.1	89.4	89.4	89.4	89.4	89.4	89.4
GE 600	79.3	83.8	85.1	86.7	88.0	88.2	89.0	89.3	89.6	89.8	90.2	90.3	90.3	90.3	90.3	90.3
GE 500	80.2	84.8	86.2	88.1	89.7	90.0	90.9	91.6	91.8	92.0	92.7	92.8	92.8	92.9	93.0	93.1
GE 400	80.6	85.9	87.4	89.6	91.1	91.4	92.3	93.0	93.2	93.4	94.3	94.4	94.4	94.6	94.9	95.0
GE 300	80.6	86.1	87.7	90.0	92.0	92.3	93.4	94.3	94.8	95.1	96.2	96.3	96.6	96.6	97.0	97.6
GE 200	80.6	86.2	87.8	90.1	92.2	92.7	93.8	94.7	95.1	95.4	96.6	96.7	97.0	97.0	97.4	98.0
GE 100	80.6	86.2	87.9	90.2	92.4	92.9	94.0	94.9	95.3	95.7	97.0	97.1	97.1	97.6	98.2	98.7
GE 75	80.6	86.2	87.9	90.2	92.4	92.9	94.0	94.9	95.3	95.7	97.0	97.1	97.1	97.6	98.3	99.0

TOTAL NUMBER OF OBSERVATIONS: 500

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(EST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1	1/2	3/4	1	1/2	3/4	1	1/2	3/4	1	1/2	3/4	1	1/2	3/4	1
NO CEIL	46.0	47.0	47.3	47.4	47.9	47.9	48.0	48.1	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.3
GF 20000	51.4	53.0	53.3	53.6	54.0	54.0	54.1	54.2	54.2	54.3	54.3	54.3	54.3	54.3	54.4	54.6
GF 18000	51.6	53.1	53.4	53.7	54.1	54.1	54.2	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.6	54.7
GF 16000	51.6	53.1	53.4	53.7	54.1	54.1	54.2	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.6	54.7
GF 14000	51.8	53.4	53.8	54.0	54.6	54.6	54.7	54.8	54.8	54.9	54.9	54.9	54.9	54.9	55.0	55.1
GE 12000	54.7	56.2	56.6	56.8	57.3	57.3	57.4	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.8	57.9
GE 10000	58.0	60.3	60.7	60.9	61.4	61.4	61.6	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.9	62.0
GF 9000	56.2	61.6	61.9	62.2	62.8	62.8	62.9	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.2	63.3
GF 8000	61.0	63.3	63.7	64.3	65.1	65.1	65.4	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.8	65.9
GF 7000	62.2	64.6	64.9	65.6	66.3	66.3	66.7	66.8	66.8	66.9	66.9	66.9	66.9	66.9	67.0	67.1
GE 6000	62.9	65.1	65.4	66.1	66.9	66.9	67.2	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.6	67.7
GE 5000	63.4	65.9	66.2	67.2	68.1	68.1	68.6	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.9	69.0
GE 4000	64.9	67.3	67.8	68.4	69.8	69.8	70.2	70.4	70.4	70.6	70.6	70.6	70.6	70.6	70.7	70.8
GE 3000	65.6	68.7	69.2	70.3	71.4	71.4	71.9	72.1	72.1	72.3	72.4	72.4	72.4	72.4	72.6	72.7
GE 2500	66.7	69.4	70.1	71.2	72.3	72.3	72.8	73.0	73.0	73.2	73.3	73.3	73.3	73.3	73.4	73.6
GF 2000	67.0	70.1	70.8	71.9	73.1	73.1	73.6	73.8	73.8	74.0	74.1	74.1	74.1	74.1	74.2	74.3
GF 1500	67.8	71.2	72.0	73.2	74.4	74.6	75.0	75.2	75.2	75.4	75.7	75.7	75.7	75.7	75.8	75.9
GE 1000	69.3	72.9	73.7	75.0	76.4	76.6	77.0	77.2	77.2	77.4	77.6	77.6	77.6	77.6	77.7	77.8
GE 800	69.9	73.4	74.2	75.6	77.0	77.1	77.6	77.8	77.8	78.1	78.4	78.4	78.4	78.4	78.7	78.8
GF 500	70.4	74.1	74.9	76.3	77.6	77.6	78.0	78.3	78.3	78.7	79.0	79.0	79.0	79.0	79.4	79.4
GF 400	74.6	78.8	79.8	81.4	83.0	83.0	83.9	84.3	84.3	84.7	85.1	85.1	85.1	85.1	85.2	85.3
GE 300	75.7	80.1	81.3	83.0	84.8	85.1	85.9	86.2	86.2	86.6	87.1	87.1	87.1	87.1	87.2	87.3
GE 200	76.6	81.0	82.2	83.9	85.7	86.0	86.7	87.1	87.1	87.6	88.1	88.1	88.1	88.1	88.2	88.3
GE 100	77.3	81.9	83.1	84.8	86.6	86.9	87.6	88.1	88.1	88.7	89.2	89.2	89.2	89.2	89.3	89.4
GF 70	78.2	82.9	84.2	86.0	87.8	88.1	88.8	89.3	89.3	89.9	90.4	90.4	90.4	90.4	90.6	90.7
GF 60	78.4	83.4	84.9	87.1	88.9	89.2	89.9	90.4	90.4	91.0	91.6	91.6	91.6	91.6	91.9	92.1
GE 50	79.7	83.9	85.4	87.9	89.7	90.3	91.2	91.9	91.9	92.7	93.4	93.4	93.4	93.4	93.9	94.0
GF 40	79.7	84.0	85.8	88.3	90.8	91.1	92.3	93.4	93.6	94.7	95.4	95.4	95.4	95.4	96.1	96.4
GE 30	79.7	84.0	85.8	88.3	91.1	91.4	92.8	94.0	94.1	95.2	96.3	96.3	96.3	96.3	96.9	97.2
GE 20	79.8	84.1	85.9	88.5	91.6	91.9	93.2	94.6	94.8	96.2	97.3	97.4	97.4	97.4	98.0	98.3
GF 10	79.8	84.1	85.9	88.5	91.6	91.9	93.2	94.6	94.8	96.2	97.3	97.4	97.4	97.4	98.0	98.3
GF 0	79.8	84.1	85.9	88.5	91.6	91.9	93.2	94.6	94.8	96.2	97.3	97.4	97.4	97.4	98.0	98.3

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS/EST: 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/4	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16
NO CEIL	46.3	47.1	47.2	47.3	47.6	47.6	47.6	47.8	47.8	47.9	47.9	47.9	47.9	47.9	47.9	47.9
GE 20000	51.8	52.9	53.2	53.4	53.4	53.9	53.9	54.1	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2
GE 18000	52.0	53.1	53.4	53.7	54.1	54.1	54.1	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4
GE 16000	52.0	53.1	53.4	53.7	54.1	54.1	54.1	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4
GE 14000	53.2	54.3	54.7	54.9	55.6	55.6	55.6	55.8	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9
GE 12000	55.4	56.6	56.9	57.1	57.8	57.8	57.8	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1
GE 10000	60.4	61.9	62.2	62.4	63.1	63.1	63.1	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 9000	60.8	62.2	62.6	62.9	63.6	63.6	63.6	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 8000	62.7	63.9	64.6	65.0	66.0	66.0	66.0	66.2	66.4	66.4	66.7	66.7	66.7	66.8	66.8	66.8
GE 7000	62.7	64.2	64.9	65.3	66.3	66.3	66.3	66.6	66.9	66.9	67.1	67.1	67.1	67.2	67.2	67.2
GE 6000	63.1	64.7	65.3	65.8	66.9	66.9	66.9	67.2	67.3	67.3	67.7	67.7	67.7	67.8	67.8	67.8
GE 5000	63.3	65.1	65.9	66.3	67.7	67.7	67.7	68.2	68.2	68.6	68.6	68.6	68.7	68.7	68.7	68.7
GE 4500	63.7	65.6	66.3	66.6	68.1	68.1	68.1	68.7	69.1	69.1	69.7	69.8	69.8	69.9	69.9	69.9
GE 4000	64.1	66.1	66.9	67.3	68.7	68.7	68.7	69.2	69.7	69.7	70.2	70.3	70.3	70.4	70.4	70.4
GE 3500	65.0	67.2	68.0	68.4	69.6	69.6	69.6	70.3	70.6	70.9	71.3	71.4	71.4	71.6	71.6	71.6
GE 3000	66.2	68.2	69.0	69.4	70.8	70.8	70.8	71.3	71.8	71.8	72.3	72.4	72.4	72.6	72.6	72.6
GE 2500	67.6	69.7	70.4	71.0	72.3	72.4	72.4	73.1	73.7	73.7	74.2	74.3	74.3	74.4	74.4	74.4
GE 2000	69.9	72.2	73.0	73.6	74.9	75.0	75.0	75.7	76.2	76.2	76.8	76.9	76.9	77.0	77.0	77.0
GE 1800	71.3	73.7	74.4	75.0	76.3	76.4	76.4	77.1	77.7	77.7	78.2	78.3	78.3	78.4	78.4	78.4
GE 1500	73.8	76.9	77.7	78.3	79.9	80.0	80.0	80.7	81.2	81.2	81.9	82.3	82.4	82.7	82.7	82.7
GE 1200	75.0	78.3	79.6	80.3	81.9	82.1	82.1	83.1	83.9	83.9	84.6	85.1	85.2	85.4	85.4	85.4
GE 1000	76.3	80.3	81.7	82.4	84.1	84.3	84.3	85.4	86.2	86.2	87.0	87.6	87.7	87.9	87.9	87.9
GE 900	77.2	81.2	82.7	83.4	85.2	85.4	85.4	86.7	87.6	87.6	88.3	88.9	89.0	89.2	89.2	89.2
GE 800	78.1	82.1	83.8	84.6	86.4	86.7	86.7	87.9	88.9	88.9	89.6	90.3	90.6	90.9	90.9	90.9
GE 700	79.1	83.6	85.3	86.4	88.3	88.6	88.6	89.8	90.9	90.9	91.8	92.3	92.6	92.9	92.9	92.9
GE 600	79.8	84.6	86.7	88.1	90.2	90.4	90.4	91.7	92.8	92.8	93.7	94.2	94.4	94.8	94.8	94.8
GE 500	80.0	84.8	87.0	88.6	90.6	91.0	91.0	92.4	93.6	93.6	94.6	95.1	95.3	95.7	95.7	95.7
GE 400	80.1	84.9	87.4	89.0	91.6	91.9	91.9	93.4	94.6	94.7	95.6	96.3	96.6	97.0	97.1	97.1
GE 300	80.1	84.9	87.6	89.4	92.1	92.4	92.4	94.1	95.3	95.4	96.6	97.1	97.3	97.8	97.9	97.9
GE 200	80.1	84.9	87.6	89.4	92.2	92.6	92.6	94.2	95.4	95.6	97.7	97.9	98.1	98.7	98.8	98.8
GE 100	80.1	84.9	87.6	89.4	92.2	92.6	92.6	94.2	95.4	95.6	97.2	97.9	98.1	98.7	98.8	98.8
GE 0	80.1	84.9	87.6	89.4	92.2	92.6	92.6	94.2	95.4	95.6	97.2	97.9	98.1	98.7	98.8	98.8

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(IST): 1500-1700

CEILING		VISIBILITY IN STATUTE MILES															
IN FEET	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
	1	10	6	5	4	3	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	1/8	0
NO CEIL	49.2	50.0	50.1	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
GE 20000	55.2	56.1	56.3	56.4	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
GE 18000	55.7	56.6	56.8	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
GE 16000	55.8	56.7	56.9	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 14000	56.1	57.0	57.2	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
GE 12000	56.3	57.2	57.4	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
GE 10000	62.0	63.2	63.4	63.6	63.7	63.7	63.7	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 9000	62.1	64.3	64.6	64.7	64.8	64.8	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
GE 8000	64.7	66.6	66.8	67.1	67.4	67.7	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
GE 7000	65.4	67.3	67.6	67.9	68.2	68.4	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 6000	65.9	67.8	68.0	68.3	68.7	68.9	68.9	69.1	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 5000	66.1	68.0	68.2	68.8	69.1	69.3	69.6	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE 4500	66.9	68.9	69.4	70.0	70.3	70.6	70.9	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 4000	68.2	70.3	70.9	71.4	71.8	72.0	72.3	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
GE 3500	68.6	70.8	71.3	71.9	72.3	72.6	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
GE 3000	69.6	72.0	72.6	73.1	73.7	73.9	74.2	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
GE 2500	71.6	74.3	74.9	75.4	76.0	76.2	76.7	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
GE 2000	73.2	76.2	76.9	77.6	78.1	78.3	78.9	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 1800	74.1	77.1	78.0	78.7	79.4	79.8	80.3	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 1500	76.4	80.0	81.1	81.9	82.4	83.2	83.9	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 1200	79.3	83.8	84.9	85.7	86.7	87.0	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 1000	79.8	84.3	85.6	86.3	87.4	87.8	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 900	80.6	85.3	86.7	87.4	88.6	88.9	89.8	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 800	81.1	86.0	87.3	88.2	89.4	89.8	90.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 700	81.4	86.6	88.0	89.2	90.6	90.9	91.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 600	81.6	87.0	88.9	90.0	91.6	92.0	92.9	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 500	81.7	87.3	89.3	90.6	92.4	92.9	94.0	95.2	95.6	96.1	96.4	96.9	97.2	97.2	97.2	97.2	97.2
GE 400	81.7	87.3	89.3	90.6	92.4	93.3	94.6	95.8	96.1	96.7	97.1	97.4	97.8	97.8	97.8	97.8	97.8
GE 300	81.7	87.3	89.6	90.8	93.1	93.6	94.8	96.0	96.3	96.9	97.3	97.7	98.0	98.0	98.0	98.0	98.0
GE 200	81.7	87.3	89.6	90.8	93.3	93.8	95.0	96.2	96.6	97.2	97.6	98.1	98.4	98.4	98.4	98.4	98.4
GE 100	81.7	87.3	89.6	90.8	93.3	93.8	95.0	96.2	96.6	97.2	97.6	98.1	98.4	98.4	98.4	98.4	98.4
GE 0	81.7	87.3	89.6	90.8	93.3	93.8	95.0	96.2	96.6	97.2	97.6	98.1	98.4	98.4	98.4	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS: 200

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
 MONTH: NOV HOURS: 1400-2000

CEILING		VISIBILITY IN STATUTE MILES															
IN	FEET	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 1/8
NO CEIL	1	49.2	49.7	49.8	49.9	50.1	50.1	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.4
GE 20000	55.9	56.4	56.6	56.9	57.1	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.4
GE 18000	56.1	56.7	56.8	57.1	57.3	57.3	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.7
GE 16000	56.1	56.7	56.8	57.1	57.3	57.3	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.7
GE 14000	56.8	57.3	57.4	57.8	58.0	58.0	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.7
GE 12000	59.3	59.9	60.0	60.3	60.6	60.6	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE 10000	62.6	63.2	63.3	63.9	64.0	64.0	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.3
GE 9000	63.4	64.3	64.4	64.9	65.1	65.1	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.4
GE 8000	65.3	66.3	66.6	67.0	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.8
GE 7000	67.2	68.3	68.7	69.1	69.6	69.6	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.9
GE 6000	67.3	68.4	68.8	69.2	69.7	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	70.0
GE 5000	67.9	69.0	69.3	69.8	70.2	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.6
GE 4500	69.6	70.8	71.1	71.6	72.0	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.7
GE 4000	70.1	71.3	71.7	72.1	72.6	72.6	72.9	72.9	72.9	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.2
GE 3500	70.7	72.1	72.4	73.0	73.4	73.4	73.7	73.8	73.8	73.8	74.0	74.0	74.0	74.0	74.0	74.0	74.1
GE 3000	71.6	73.2	73.6	74.1	74.7	74.7	74.9	75.0	75.0	75.0	75.2	75.2	75.2	75.2	75.2	75.2	75.3
GE 2500	73.1	74.9	75.3	75.9	76.7	76.7	77.0	77.1	77.1	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.4
GE 2000	73.9	76.0	76.6	77.1	78.2	78.2	79.6	78.7	78.7	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.1
GE 1800	74.7	77.0	77.7	78.2	79.7	79.7	80.0	80.2	80.2	80.2	80.6	80.6	80.6	80.6	80.6	80.6	80.7
GE 1500	76.7	80.1	81.0	81.7	83.1	83.1	83.7	84.4	84.4	84.4	84.9	84.9	84.9	84.9	84.9	84.9	85.0
GE 1200	80.7	84.8	85.7	86.4	88.0	88.0	88.7	89.6	89.6	89.6	90.0	90.0	90.0	90.0	90.0	90.0	90.1
GE 1000	81.2	85.6	86.6	87.3	88.9	88.9	89.7	90.7	90.7	90.7	91.1	91.1	91.1	91.1	91.1	91.1	91.2
GE 900	82.0	86.9	88.0	88.9	90.3	90.3	91.1	92.1	92.1	92.1	92.6	92.6	92.6	92.6	92.6	92.6	92.9
GE 800	82.2	87.2	88.6	89.3	90.9	90.9	91.7	92.8	92.8	92.8	93.2	93.2	93.2	93.2	93.2	93.2	93.8
GE 700	82.4	87.4	88.8	89.6	91.3	91.3	92.1	93.4	93.4	93.4	94.0	94.2	94.2	94.2	94.2	94.2	94.7
GE 600	82.4	87.6	88.9	90.0	91.6	91.6	92.4	93.9	93.9	93.9	94.9	95.2	95.2	95.2	95.2	95.2	95.8
GE 500	82.4	87.8	89.3	90.4	92.1	92.1	93.0	94.6	94.6	94.6	95.7	96.7	96.7	96.7	96.7	96.7	97.3
GE 400	82.4	87.8	89.4	90.6	92.3	92.3	93.7	95.0	95.0	95.0	96.3	97.3	97.3	97.3	97.3	97.3	98.0
GE 300	82.4	87.8	89.4	90.6	92.4	92.4	93.6	95.3	95.3	95.3	96.8	97.9	97.9	97.9	97.9	97.9	98.6
GE 200	82.4	87.8	89.4	90.6	92.4	92.4	93.6	95.4	95.4	95.4	96.9	98.1	98.1	98.1	98.1	98.1	98.9
GE 100	82.4	87.8	89.4	90.6	92.4	92.4	93.6	95.4	95.4	95.4	96.9	98.2	98.2	98.2	98.2	98.2	99.0
GE 0	82.4	87.8	89.4	90.6	92.4	92.4	93.6	95.4	95.4	95.4	96.9	98.2	98.2	98.2	98.2	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOULRY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-88  
MONTH: NOV HOURS/DEGREE: 1107-2310

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
NO CEIL	52.8	54.0	54.1	54.7	54.7	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
GE 20000	57.3	58.7	58.8	59.4	59.4	59.4	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 18000	57.6	58.9	59.0	59.7	59.7	59.7	59.7	59.7	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
GE 16000	57.9	59.2	59.3	60.0	60.0	60.0	60.0	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 14000	58.0	59.3	59.4	60.1	60.1	60.1	60.1	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
GE 12000	59.8	61.4	61.6	62.2	62.2	62.2	62.2	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 10000	61.7	63.3	63.4	64.2	64.2	64.2	64.2	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
GE 9000	62.7	64.0	64.1	64.9	64.9	64.9	64.9	65.0	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 8000	63.6	65.3	65.4	66.2	66.2	66.2	66.2	66.3	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 7000	65.9	67.7	67.8	68.6	68.6	68.6	68.6	68.7	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 6000	66.3	68.1	68.3	69.1	69.1	69.1	69.1	69.2	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 5000	67.6	69.3	69.6	70.3	70.3	70.3	70.3	70.4	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
GE 4500	68.6	70.3	70.6	71.3	71.3	71.3	71.3	71.4	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 4000	69.7	70.9	71.1	71.9	71.9	71.9	71.9	72.0	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 3500	69.9	72.1	72.4	73.2	73.2	73.2	73.2	73.3	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 3000	70.4	72.7	73.1	73.9	73.9	73.9	73.9	74.0	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE 2500	72.1	74.7	75.3	76.3	76.6	76.6	76.6	76.8	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4
GE 2000	73.0	75.9	76.9	78.0	78.2	78.2	78.2	78.8	79.3	79.4	79.6	79.6	79.6	79.6	79.6	79.6
GE 1800	73.7	76.7	77.8	79.0	79.3	79.3	79.3	80.0	80.6	80.7	80.8	80.8	80.8	80.8	80.8	80.8
GE 1500	75.4	78.6	80.2	81.4	81.5	81.5	81.5	82.6	83.1	83.2	83.4	83.4	83.4	83.4	83.4	83.4
GE 1200	78.4	82.1	83.7	85.0	85.4	85.4	85.4	86.3	86.9	87.1	87.7	87.8	87.8	87.8	87.8	87.8
GE 1000	87.1	84.2	85.8	87.1	87.7	87.7	87.7	88.6	89.2	89.3	90.0	90.1	90.1	90.2	90.2	90.2
GE 900	81.0	85.4	87.0	88.3	89.0	89.0	89.0	90.0	90.5	90.6	91.0	91.1	91.1	91.2	91.2	91.2
GE 800	81.3	85.9	87.4	88.8	89.7	89.7	89.7	90.8	91.6	91.7	92.3	92.4	92.4	92.5	92.5	92.5
GE 700	81.8	86.7	88.2	89.6	90.4	90.4	90.4	91.7	92.4	92.6	93.2	93.3	93.3	93.4	93.4	93.4
GE 600	82.0	87.0	88.6	89.9	90.8	90.8	90.8	92.0	92.8	92.9	93.7	93.8	93.8	93.9	93.9	93.9
GE 500	87.2	87.7	89.2	90.7	91.6	91.7	91.7	92.8	93.7	93.8	94.7	94.8	94.8	94.8	94.8	94.8
GE 400	82.4	88.0	90.0	91.4	92.7	92.8	92.8	94.0	94.9	95.0	96.1	96.1	96.1	96.1	96.1	96.1
GE 300	82.4	88.0	90.0	91.4	92.7	92.8	92.8	94.0	94.9	95.0	96.1	96.1	96.1	96.1	96.1	96.1
GE 200	82.4	88.0	90.0	91.4	92.7	92.8	92.8	94.0	94.9	95.0	96.1	96.1	96.1	96.1	96.1	96.1
GE 100	82.4	88.0	90.0	91.4	92.7	92.8	92.8	94.0	94.9	95.0	96.1	96.1	96.1	96.1	96.1	96.1

TOTAL NUMBER OF OBSERVATIONS: 700

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727677 STATION NAME: MINGT AFB ND

PERIOD OF RECORD: 77-84  
MONTH: NOV HOURS(EST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
NO CEILING	54.4	54.7	54.9	54.6	54.8	54.8	54.9	54.5	54.9	54.5	54.7	54.1	54.1	54.1	54.1	54.1	54.1	54.1
GE 20000	54.4	54.4	54.6	54.4	54.2	54.2	54.7	54.3	54.7	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
GE 18000	54.6	54.6	54.8	54.1	54.3	54.3	54.4	54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
GE 16000	54.7	54.7	54.9	54.2	54.4	54.4	54.5	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
GE 14000	54.2	54.1	54.7	54.6	54.2	54.5	54.5	54.1	54.1	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
GE 12000	54.4	54.4	54.7	54.4	54.3	54.3	54.7	54.4	54.4	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
GE 10000	61.4	61.7	62.0	62.0	62.6	62.6	62.7	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 9000	61.1	62.6	62.8	62.2	62.5	62.5	62.6	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 8000	62.5	64.3	64.6	65.1	65.4	65.6	65.7	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 7000	64.7	64.4	64.1	64.5	67.0	67.0	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 6000	64.9	65.2	64.6	67.0	67.5	67.5	67.7	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 5000	65.6	67.2	67.6	68.1	68.7	68.7	68.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 4000	66.4	68.5	69.1	69.6	70.1	70.2	70.5	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
GE 3000	67.4	69.7	69.4	70.4	71.1	71.1	71.1	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 2000	68.2	70.3	70.8	71.4	72.1	72.1	72.4	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 1000	69.2	71.2	71.8	72.4	73.1	73.1	73.2	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
GE 2500	70.4	73.1	73.6	74.4	75.1	75.1	75.6	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE 2000	72.2	74.7	75.7	76.1	77.1	77.1	77.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 1800	72.6	74.6	74.4	77.1	78.1	78.2	78.7	79.1	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
GE 1600	73.8	74.1	75.1	76.0	77.4	77.4	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 1400	77.6	77.3	77.3	78.3	79.4	79.5	79.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 1000	79.7	79.0	79.2	80.2	80.7	80.7	80.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 900	79.4	80.1	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 800	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
GE 700	80.9	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
GE 600	81.7	80.2	80.7	80.7	80.4	80.6	80.4	80.2	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
GE 500	81.4	80.4	80.5	80.4	81.4	81.6	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
GE 400	81.7	80.7	80.9	80.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
GE 300	81.7	80.7	80.9	80.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
GE 200	81.7	80.7	80.9	80.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
GE 100	81.7	80.7	80.9	80.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
GE	81.8	80.2	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7

TOTAL NUMBER OF OBSERVATIONS: 7700



GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-PP  
MONTH: DEC HOURS (GMT): 0000-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 1	GE 2	GE 3	GE 4	GE 5	GE 6	GE 7	GE 8	GE 9	GE 10	GE 11	GE 12	GE 13	GE 14	GE 15	GE 16	GE 17
NO CEIL	50.5	51.4	51.9	52.2	52.7	52.7	53.1	53.3	53.3	53.4	53.4	53.4	53.7	54.0	54.0	54.1	
GE 20000	54.1	55.4	55.5	55.7	56.2	56.2	56.7	56.9	56.9	57.0	57.2	57.2	57.3	57.3	57.5	57.5	57.6
GE 18000	54.4	55.7	55.8	56.0	56.6	56.6	57.0	57.2	57.2	57.3	57.3	57.3	57.5	57.5	57.5	57.6	57.6
GE 16000	54.4	55.7	55.8	56.0	56.6	56.6	57.0	57.2	57.2	57.3	57.3	57.3	57.5	57.5	57.5	57.6	57.6
GE 14000	54.7	56.0	56.1	56.3	56.9	56.9	57.3	57.5	57.5	57.6	57.6	57.6	57.8	57.8	58.0	58.0	58.1
GE 12000	55.6	56.9	57.0	57.2	57.7	57.7	58.2	58.4	58.4	58.5	58.5	58.5	58.7	58.7	59.0	59.0	59.1
GE 10000	56.0	59.2	59.4	59.6	60.1	60.1	60.5	60.8	60.8	61.0	61.0	61.0	61.2	61.5	61.5	61.6	61.6
GE 9000	58.8	60.3	60.5	60.8	61.3	61.3	61.7	61.9	61.9	62.2	62.2	62.2	62.4	62.7	62.7	62.7	62.7
GE 8000	60.9	64.6	64.9	65.2	65.7	65.7	66.1	66.3	66.3	66.6	66.6	66.6	66.8	67.1	67.1	67.1	67.1
GE 7000	64.6	66.6	66.9	67.1	67.6	67.6	68.1	68.3	68.3	68.7	68.7	68.7	68.9	69.2	69.2	69.2	69.2
GE 6000	65.7	67.3	67.6	67.8	68.4	68.4	68.8	69.0	69.0	69.5	69.5	69.5	69.7	70.0	70.0	70.0	70.0
GE 5000	67.0	69.2	69.6	69.8	70.4	70.4	70.9	71.2	71.2	71.6	71.6	71.6	71.8	72.2	72.2	72.2	72.2
GE 4000	67.3	69.6	69.9	70.2	70.9	70.9	71.4	71.7	71.7	72.2	72.2	72.2	72.4	72.7	72.7	72.7	72.7
GE 3000	68.6	70.9	71.3	71.7	72.5	72.5	73.0	73.3	73.3	73.8	73.8	73.8	74.0	74.3	74.3	74.3	74.3
GE 2000	69.9	72.6	73.0	73.4	74.2	74.2	74.7	75.1	75.2	75.7	75.7	75.7	75.9	76.2	76.2	76.2	76.2
GE 1000	70.5	73.8	74.4	75.2	76.0	76.0	76.6	76.9	77.0	77.5	77.5	77.5	77.7	78.1	78.1	78.1	78.1
GE 2500	71.8	75.1	75.9	76.7	77.7	77.7	78.1	78.6	78.6	79.0	79.0	79.0	79.2	79.5	79.5	79.5	79.5
GE 2000	71.7	75.1	75.1	75.6	76.0	76.0	76.4	76.8	76.8	77.2	77.2	77.2	77.4	77.7	77.7	77.7	77.7
GE 1800	71.8	75.6	75.8	76.6	77.4	77.4	77.8	78.2	78.2	78.6	78.6	78.6	78.8	79.1	79.1	79.1	79.1
GE 1600	71.8	75.6	75.8	76.6	77.4	77.4	77.8	78.2	78.2	78.6	78.6	78.6	78.8	79.1	79.1	79.1	79.1
GE 1400	71.8	75.6	75.8	76.6	77.4	77.4	77.8	78.2	78.2	78.6	78.6	78.6	78.8	79.1	79.1	79.1	79.1
GE 1200	71.8	75.6	75.8	76.6	77.4	77.4	77.8	78.2	78.2	78.6	78.6	78.6	78.8	79.1	79.1	79.1	79.1
GE 1000	71.8	75.6	75.8	76.6	77.4	77.4	77.8	78.2	78.2	78.6	78.6	78.6	78.8	79.1	79.1	79.1	79.1
GE 900	71.8	75.6	75.8	76.6	77.4	77.4	77.8	78.2	78.2	78.6	78.6	78.6	78.8	79.1	79.1	79.1	79.1
GE 800	71.8	75.6	75.8	76.6	77.4	77.4	77.8	78.2	78.2	78.6	78.6	78.6	78.8	79.1	79.1	79.1	79.1
GE 700	71.8	75.6	75.8	76.6	77.4	77.4	77.8	78.2	78.2	78.6	78.6	78.6	78.8	79.1	79.1	79.1	79.1
GE 600	71.8	75.6	75.8	76.6	77.4	77.4	77.8	78.2	78.2	78.6	78.6	78.6	78.8	79.1	79.1	79.1	79.1
GE 500	71.8	75.6	75.8	76.6	77.4	77.4	77.8	78.2	78.2	78.6	78.6	78.6	78.8	79.1	79.1	79.1	79.1
GE 400	71.8	75.6	75.8	76.6	77.4	77.4	77.8	78.2	78.2	78.6	78.6	78.6	78.8	79.1	79.1	79.1	79.1
GE 300	71.8	75.6	75.8	76.6	77.4	77.4	77.8	78.2	78.2	78.6	78.6	78.6	78.8	79.1	79.1	79.1	79.1
GE 200	71.8	75.6	75.8	76.6	77.4	77.4	77.8	78.2	78.2	78.6	78.6	78.6	78.8	79.1	79.1	79.1	79.1
GE 100	71.8	75.6	75.8	76.6	77.4	77.4	77.8	78.2	78.2	78.6	78.6	78.6	78.8	79.1	79.1	79.1	79.1
GE 0	71.8	75.6	75.8	76.6	77.4	77.4	77.8	78.2	78.2	78.6	78.6	78.6	78.8	79.1	79.1	79.1	79.1

TOTAL NUMBER OF OBSERVATIONS: 231

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-PRE  
MONTH: DEC HOURS(IST): 0700-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	1	GE 1	GE 2	GE 3	GE 4	GE 5	GE 6	GE 7	GE 8	GE 9	GE 10	GE 11	GE 12	GE 13	GE 14	GE 15	GE 16
NO CEIL	1	52.3	53.0	53.2	53.3	54.3	54.3	54.5	54.6	54.6	54.9	54.9	54.9	54.9	55.1	55.2	55.3
GE 20001	53.9	54.6	54.8	54.9	56.0	56.0	56.2	56.3	56.3	56.7	56.7	56.7	56.7	56.7	56.8	56.9	57.0
GE 18001	54.2	54.9	55.2	55.3	56.3	56.3	56.6	56.7	56.7	57.0	57.0	57.0	57.0	57.0	57.1	57.2	57.3
GE 16001	54.2	54.9	55.2	55.3	56.3	56.3	56.6	56.7	56.7	57.0	57.0	57.0	57.0	57.0	57.1	57.2	57.3
GE 14001	54.2	54.9	55.2	55.3	56.3	56.3	56.6	56.7	56.7	57.0	57.0	57.0	57.0	57.0	57.1	57.2	57.3
GE 12001	55.5	56.2	56.5	56.6	57.6	57.6	57.8	58.0	58.0	58.3	58.7	58.8	58.8	58.8	58.9	59.0	59.1
GE 10001	57.8	58.6	58.9	59.0	60.1	60.1	60.3	60.4	60.4	60.8	60.8	60.8	60.8	60.8	60.9	61.0	61.1
GE 9001	58.4	59.5	59.8	59.9	61.0	61.0	61.2	61.3	61.3	61.6	61.6	61.6	61.6	61.6	61.7	61.8	61.9
GE 8001	60.5	61.6	61.9	62.0	63.1	63.1	63.3	63.4	63.4	63.8	63.8	63.8	63.8	63.8	63.9	64.0	64.1
GE 7001	62.2	63.2	63.5	63.7	64.7	64.7	64.9	65.1	65.1	65.4	65.4	65.4	65.4	65.4	65.5	65.6	65.7
GE 6001	63.0	64.1	64.4	64.6	65.6	65.6	66.0	66.1	66.1	66.5	66.5	66.5	66.5	66.5	66.6	66.7	66.8
GE 5001	64.8	66.2	66.7	67.2	68.5	68.5	68.7	68.8	68.8	69.1	69.1	69.1	69.1	69.1	69.2	69.4	69.5
GE 4001	66.0	67.6	68.1	68.7	70.0	70.0	70.2	70.3	70.3	70.6	70.6	70.6	70.6	70.6	70.8	70.9	71.0
GE 3001	66.6	68.3	68.8	69.5	71.0	71.0	71.4	71.5	71.5	71.8	71.8	71.8	71.8	71.8	72.0	72.1	72.2
GE 2001	67.2	68.9	69.7	70.5	72.0	72.0	72.5	72.6	72.6	73.0	73.0	73.0	73.0	73.0	73.3	73.4	73.5
GE 1001	68.5	70.4	71.2	72.4	74.1	74.1	74.5	74.6	74.6	75.2	75.2	75.2	75.2	75.2	75.5	75.6	75.7
GE 25001	70.3	72.5	73.2	74.5	76.5	76.5	77.3	77.4	77.4	78.0	78.2	78.2	78.2	78.2	78.3	78.4	78.5
GE 20001	71.7	74.2	75.2	76.5	78.8	78.8	79.9	80.5	80.5	80.8	80.8	80.8	80.8	80.8	80.9	81.0	81.1
GE 18001	71.8	74.5	75.6	76.9	79.5	79.5	80.7	80.8	80.8	81.2	81.4	81.4	81.4	81.4	81.5	81.6	81.7
GE 16001	72.7	75.7	76.9	78.2	81.0	81.0	82.1	82.5	82.5	83.2	83.4	83.4	83.4	83.4	83.5	83.7	83.8
GE 14001	74.1	77.3	78.5	79.9	82.8	82.8	84.2	84.5	84.5	85.3	85.7	85.7	85.7	85.7	85.8	85.9	86.0
GE 12001	74.5	78.0	79.1	80.5	83.4	83.4	85.4	85.8	85.8	86.6	87.0	87.0	87.0	87.0	87.3	87.6	87.7
GE 10001	75.4	79.0	80.2	81.6	85.1	85.1	86.7	87.1	87.1	87.8	88.2	88.2	88.2	88.2	88.5	88.8	88.9
GE 9001	75.7	79.6	80.8	82.5	86.3	86.3	87.6	88.1	88.1	88.9	89.3	89.3	89.3	89.3	89.4	89.6	89.7
GE 8001	76.2	80.1	81.7	83.0	86.6	86.6	88.7	89.4	89.4	90.2	90.6	90.6	90.6	90.6	90.7	90.9	91.0
GE 7001	76.2	80.1	81.4	83.3	86.9	86.9	89.2	89.8	89.8	90.6	91.0	91.0	91.0	91.0	91.1	91.3	91.4
GE 6001	76.9	81.1	82.5	84.4	88.5	88.5	90.4	91.4	91.4	92.5	93.1	93.1	93.1	93.1	93.2	93.4	93.5
GE 5001	77.4	81.6	83.1	84.9	89.2	89.2	91.7	92.3	92.3	93.7	94.7	94.7	94.7	94.7	94.8	95.0	95.1
GE 4001	77.7	82.0	83.4	85.4	89.6	89.6	91.5	93.0	93.0	94.2	95.7	95.7	95.7	95.7	95.8	96.0	96.1
GE 3001	77.7	82.0	83.4	85.4	89.6	89.6	91.5	93.0	93.0	94.2	95.7	95.7	95.7	95.7	95.8	96.0	96.1
GE 2001	77.7	82.0	83.4	85.4	89.6	89.6	91.5	93.0	93.0	94.2	95.7	95.7	95.7	95.7	95.8	96.0	96.1
GE 1001	77.8	82.2	83.5	85.5	89.8	89.8	90.1	91.7	93.2	93.4	94.9	94.9	94.9	94.9	95.1	95.2	95.3

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(IST): 0600-0600

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	5 1/2	6	6 1/2	7	7 1/2	8
NO CEIL	51.2	52.6	53.3	53.5	54.6	54.6	54.7	54.9	54.9	55.7	55.9	55.9	56.2	56.3	56.3	56.6
GE 20000	53.2	54.6	55.5	55.7	56.5	56.8	56.9	57.1	57.1	57.8	58.1	58.1	58.4	58.5	58.5	58.7
GE 18000	53.4	54.8	55.7	55.9	57.0	57.0	57.1	57.3	57.3	58.1	58.1	58.3	58.6	58.7	58.7	58.9
GE 16000	53.4	54.8	55.7	55.9	57.0	57.0	57.1	57.3	57.3	58.1	58.1	58.3	58.6	58.7	58.7	58.9
GE 14000	53.7	55.1	55.9	56.1	57.2	57.2	57.3	57.5	57.5	58.3	58.5	58.5	58.9	58.9	58.9	59.1
GE 12000	54.6	56.0	56.9	57.1	58.2	58.2	58.3	58.5	58.5	59.2	59.5	59.6	59.9	60.0	60.0	60.2
GE 10000	57.1	58.6	59.5	59.7	60.8	60.8	60.9	61.1	61.1	61.8	62.7	62.7	62.5	62.6	62.6	62.8
GE 9000	58.1	59.9	60.5	61.1	62.2	62.2	62.3	62.5	62.5	63.2	63.4	63.5	63.9	64.0	64.0	64.2
GE 8000	60.4	62.4	63.2	63.5	64.7	64.7	64.8	65.1	65.1	65.6	66.1	66.2	66.6	66.7	66.7	66.9
GE 7000	61.3	63.2	64.1	64.4	65.6	65.6	65.7	65.9	65.9	66.7	67.7	67.7	67.4	67.5	67.5	67.7
GE 6000	62.0	64.2	65.3	65.7	66.9	66.9	67.0	67.2	67.2	68.0	68.3	68.4	68.7	68.8	68.8	69.0
GE 5000	63.8	66.1	67.3	67.7	68.9	68.9	69.0	69.2	69.2	70.0	70.4	70.5	70.9	71.0	71.0	71.2
GE 4000	65.2	67.7	69.1	69.7	70.9	70.9	71.0	71.3	71.3	72.0	72.5	72.6	72.9	73.0	73.0	73.2
GE 3000	65.6	68.3	69.9	70.6	72.0	72.0	72.0	72.5	72.5	73.4	74.1	74.2	74.5	74.6	74.6	74.8
GE 2000	66.0	68.6	70.6	71.4	72.9	72.9	73.1	73.4	73.4	74.4	75.1	75.2	75.5	75.6	75.6	75.8
GE 1000	66.9	69.7	71.5	72.5	74.0	74.0	74.2	74.5	74.5	75.5	76.1	76.2	76.6	76.7	76.7	76.9
GE 2500	67.4	70.6	72.7	73.7	75.4	75.4	75.6	75.9	75.9	76.9	77.6	77.6	78.0	78.1	78.1	78.3
GE 2000	68.5	71.9	73.9	74.8	76.7	76.7	77.0	77.3	77.3	78.4	79.0	79.1	79.5	79.6	79.6	79.8
GE 1800	69.1	72.6	74.5	75.5	77.4	77.4	77.8	78.2	78.2	79.2	79.9	80.0	80.3	80.4	80.4	80.6
GE 1600	70.6	74.5	76.8	77.8	80.1	80.1	80.8	81.1	81.1	82.2	82.8	82.9	83.2	83.3	83.3	83.5
GE 1400	71.7	75.5	77.8	78.9	81.5	81.5	82.6	83.0	83.0	84.2	84.8	84.9	85.5	85.6	85.6	85.8
GE 1200	72.6	76.9	79.2	80.3	83.1	83.1	84.5	85.2	85.2	86.5	87.1	87.2	87.7	87.8	87.8	88.1
GE 1000	73.0	77.3	79.7	80.8	83.7	83.7	84.0	85.1	85.1	86.7	87.1	87.2	87.9	88.0	88.0	88.2
GE 900	73.4	78.0	80.4	81.5	84.6	84.6	84.9	86.3	86.3	87.0	87.0	87.4	88.4	88.5	88.5	88.9
GE 800	73.8	78.3	80.7	81.8	85.2	85.2	85.5	87.2	87.2	88.0	88.0	88.4	89.6	89.6	89.6	90.0
GE 700	74.0	79.0	81.5	82.6	86.0	86.0	86.5	88.2	88.2	89.1	89.1	89.6	90.6	90.6	90.6	91.0
GE 600	74.6	80.3	82.8	84.1	87.6	87.6	88.1	89.9	89.9	91.3	91.3	91.8	94.0	94.0	94.0	94.4
GE 500	75.2	81.0	83.7	84.9	88.5	88.5	88.9	90.8	90.8	92.2	92.2	92.7	95.1	95.1	95.1	95.5
GE 400	75.3	81.2	84.1	85.4	89.0	89.0	89.5	91.3	91.3	92.7	92.7	93.2	95.8	95.8	95.8	96.2
GE 300	75.3	81.2	84.1	85.4	89.0	89.0	89.5	91.3	91.3	92.7	92.7	93.2	95.8	95.8	95.8	96.2
GE 200	75.3	81.2	84.1	85.4	89.0	89.0	89.5	91.3	91.3	92.7	92.7	93.2	95.8	95.8	95.8	96.2
GE 100	75.3	81.2	84.1	85.4	89.0	89.0	89.5	91.3	91.3	92.7	92.7	93.2	95.8	95.8	95.8	96.2
GE 0	75.3	81.2	84.1	85.4	89.0	89.0	89.5	91.3	91.3	92.7	92.7	93.2	95.8	95.8	95.8	96.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
UCAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-84  
MONTH: DEC HOURS(EST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/16	GE 1/4	GE 0
NO CEIL	46.2	49.0	50.2	50.9	51.5	51.7	51.8	51.9	51.9	52.3	52.3	52.4	52.6	52.7	52.8	52.9
GE 20000	48.4	51.2	52.5	52.1	53.8	54.0	54.2	54.3	54.3	54.6	54.6	54.7	54.9	55.1	55.2	55.3
GE 18000	49.2	52.0	53.3	54.0	54.6	54.8	55.1	55.2	55.2	55.5	55.5	55.6	55.8	55.9	56.0	56.1
GE 16000	49.2	52.0	53.3	54.0	54.6	54.8	55.1	55.2	55.2	55.5	55.5	55.6	55.8	55.9	56.0	56.1
GE 14000	50.0	52.6	54.1	54.7	55.4	55.6	55.8	55.9	55.9	56.2	56.2	56.3	56.6	56.7	56.8	56.9
GE 12000	51.1	53.9	55.2	55.7	56.5	56.7	56.9	57.0	57.0	57.3	57.3	57.4	57.6	57.7	57.8	57.9
GE 10000	54.8	58.4	59.7	60.3	61.0	61.2	61.6	61.7	61.7	62.0	62.0	62.2	62.4	62.5	62.6	62.7
GE 9000	56.2	60.1	61.4	62.0	62.7	62.9	63.3	63.4	63.4	63.8	63.8	63.9	64.1	64.2	64.3	64.4
GE 8000	59.1	63.1	64.4	65.2	65.8	66.0	66.5	66.6	66.6	66.9	66.9	67.1	67.4	67.5	67.6	67.7
GE 7000	62.0	64.0	65.4	66.2	67.1	67.3	67.7	67.8	67.8	68.2	68.2	68.4	68.7	68.8	68.9	69.0
GE 6000	60.1	64.1	65.6	66.5	67.3	67.5	68.0	68.1	68.1	68.4	68.4	68.6	68.9	69.0	69.1	69.2
GE 5000	61.6	65.6	67.1	68.0	69.3	69.2	69.7	69.8	69.9	70.1	70.2	70.4	70.8	70.9	71.0	71.1
GE 4500	63.0	67.1	69.1	70.3	71.1	71.3	71.7	71.8	71.8	72.3	72.3	72.6	72.9	73.0	73.1	73.2
GE 4000	63.2	67.3	69.7	70.5	71.7	71.9	72.4	72.7	72.7	73.1	73.2	73.4	73.8	73.9	74.0	74.1
GE 3500	63.9	68.1	70.4	71.4	72.7	72.9	73.4	73.8	73.8	74.2	74.2	74.5	74.8	74.9	75.1	75.2
GE 3000	64.7	69.1	71.5	72.6	74.0	74.2	74.8	75.2	75.2	75.6	75.7	75.9	76.2	76.3	76.5	76.6
GE 2500	65.4	70.1	72.7	74.0	75.5	75.7	76.5	76.8	76.8	77.2	77.2	77.5	77.8	78.0	78.1	78.2
GE 2000	66.2	71.2	74.0	75.4	77.2	77.4	78.3	78.6	78.6	79.0	79.1	79.4	79.7	79.8	79.9	80.0
GE 1800	66.7	71.6	74.5	75.9	77.7	78.0	78.8	79.1	79.1	79.6	79.7	79.9	80.2	80.3	80.4	80.5
GE 1500	68.4	73.8	76.4	78.3	80.4	80.7	81.7	82.0	82.0	82.5	82.6	82.8	83.1	83.2	83.3	83.4
GE 1200	69.8	75.5	78.6	80.1	82.7	83.1	84.3	84.7	84.7	85.5	85.5	85.8	86.6	86.7	86.9	87.0
GE 1000	70.2	75.9	79.0	80.8	83.3	83.6	84.9	85.4	85.6	86.2	86.6	86.8	87.6	87.7	88.0	88.1
GE 900	70.4	76.2	79.4	81.1	83.9	84.3	85.5	86.1	86.3	87.2	87.6	87.8	88.7	88.8	89.0	89.1
GE 800	70.5	76.6	80.0	81.8	84.7	85.3	86.5	87.2	87.4	88.4	88.7	89.2	90.1	90.2	90.6	90.7
GE 700	70.8	77.0	80.5	82.7	85.7	86.2	87.6	88.6	88.8	89.8	90.0	90.5	91.2	91.3	91.8	91.9
GE 600	71.0	77.6	81.1	83.3	86.3	86.9	88.4	89.5	89.7	90.6	91.4	91.6	93.1	93.5	94.2	94.3
GE 500	71.0	78.0	81.5	83.9	86.9	87.6	89.2	90.3	90.5	91.7	92.5	92.7	94.2	94.6	95.3	95.4
GE 400	71.1	78.2	81.9	84.3	87.4	88.3	90.1	91.2	91.4	92.6	93.4	93.7	95.3	95.7	96.3	96.5
GE 300	71.1	78.2	82.2	84.5	87.6	88.5	90.5	91.7	92.0	93.2	94.3	94.5	96.1	96.9	97.6	97.7
GE 200	71.1	78.2	82.2	84.6	87.7	88.6	90.6	91.8	92.0	93.5	94.9	95.3	97.1	97.7	98.7	98.8
GE 100	71.1	78.2	82.2	84.5	87.7	88.6	90.6	91.8	92.2	93.5	94.9	95.3	97.2	97.8	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(1ST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
NO CEIL	47.7	51.2	52.0	52.7	53.5	53.5	54.7	54.4	54.5	54.9	55.2	55.2	55.2	55.4	55.7	55.8
GE 20000	51.0	55.2	56.5	57.2	58.2	58.3	58.7	59.2	59.4	59.8	60.0	60.0	60.0	60.2	60.5	60.6
GE 18000	51.2	55.4	56.7	57.4	58.4	58.5	58.9	59.5	59.6	60.0	60.2	60.2	60.2	60.2	60.4	60.9
GE 16000	51.2	55.4	56.7	57.4	58.4	58.5	58.9	59.5	59.6	60.0	60.2	60.2	60.2	60.2	60.4	60.9
GE 14000	51.2	55.4	56.7	57.4	58.4	58.5	58.9	59.5	59.6	60.0	60.2	60.2	60.2	60.2	60.4	60.9
GE 12000	51.0	57.2	58.5	59.2	60.2	60.3	60.8	61.3	61.4	61.8	62.0	62.0	62.0	62.0	62.3	62.7
GE 10000	57.2	61.7	63.0	63.8	64.7	64.8	65.3	65.8	65.9	66.3	66.6	66.6	66.6	66.6	66.8	67.1
GE 9000	58.3	63.1	64.4	65.2	66.1	66.2	66.7	67.2	67.3	67.7	68.0	68.0	68.0	68.2	68.5	68.6
GE 8000	60.6	65.6	67.1	68.2	69.1	69.2	69.7	70.2	70.3	71.0	71.2	71.2	71.2	71.2	71.4	71.8
GE 7000	62.8	67.7	69.2	70.3	71.3	71.4	71.8	72.4	72.5	73.2	73.4	73.4	73.4	73.7	74.0	74.1
GE 6000	63.1	68.3	69.6	70.9	71.8	71.9	72.4	72.9	73.0	73.8	74.7	74.0	74.0	74.2	74.5	74.6
GE 5000	64.2	69.5	71.0	72.0	73.0	73.1	73.5	74.1	74.2	74.9	75.7	75.2	75.2	75.4	75.7	75.8
GE 4000	64.7	70.1	71.8	72.9	74.0	74.1	74.7	75.4	75.5	76.2	76.5	76.5	76.5	76.7	77.0	77.1
GE 3000	64.8	70.4	72.3	73.4	74.6	74.7	75.5	76.1	76.2	77.0	77.2	77.2	77.2	77.4	77.7	77.8
GE 2000	65.3	70.9	72.7	74.0	75.2	75.3	76.0	76.7	76.8	77.5	77.7	77.7	77.7	78.0	78.3	78.4
GE 1000	66.3	72.3	74.3	75.6	76.9	77.0	77.7	78.6	78.7	79.7	79.9	79.9	79.9	80.1	80.4	80.5
GE 500	66.7	73.1	75.6	77.1	78.7	78.6	79.7	80.9	81.0	81.9	82.2	82.2	82.2	82.4	82.7	82.8
GE 200	67.7	74.1	76.6	78.3	80.0	80.2	81.1	82.3	82.4	83.3	83.8	83.8	83.9	84.1	84.4	84.5
GE 100	67.6	74.6	77.3	79.0	80.9	81.0	81.8	83.0	83.1	84.1	84.5	84.5	84.6	84.8	85.2	85.3
GE 50	68.8	76.3	78.8	80.9	82.9	83.1	84.1	85.3	85.4	86.3	86.9	86.9	87.1	87.3	87.6	87.7
GE 20	69.7	77.8	80.6	82.8	85.1	85.5	86.6	88.3	88.4	89.6	90.4	90.4	90.6	90.9	91.2	91.3
GE 10	70.1	78.3	81.2	83.3	85.6	86.0	87.1	88.8	88.9	90.1	91.1	91.1	91.3	91.5	91.8	91.9
GE 5	70.2	78.4	81.5	83.7	86.0	86.5	87.6	89.4	89.6	90.8	91.7	91.7	91.9	92.3	92.6	92.7
GE 2	70.2	78.6	81.7	84.1	86.5	86.9	88.2	89.9	90.1	91.3	92.4	92.4	92.6	93.0	93.4	93.5
GE 1	70.5	78.9	82.0	84.4	86.8	87.2	88.5	90.2	90.4	91.7	92.8	92.8	93.0	93.4	93.9	94.1
GE 0	71.1	80.1	83.2	85.8	88.2	88.6	90.0	91.7	91.9	93.2	94.3	94.3	94.5	94.9	95.4	95.7
GE 0.5	71.2	80.6	83.8	86.3	88.7	89.1	90.6	92.5	92.7	94.0	95.2	95.2	95.4	95.8	96.2	96.6
GE 0.2	71.2	80.8	83.9	86.6	89.0	89.6	91.3	93.1	93.4	94.9	96.2	96.2	96.7	97.1	97.5	97.6
GE 0.1	71.2	80.9	84.0	86.7	89.2	89.8	91.5	93.4	93.8	95.5	96.8	96.8	97.2	97.6	98.1	98.4
GE 0.05	71.2	80.9	84.0	86.7	89.2	89.8	91.5	93.4	93.8	95.6	97.0	97.0	97.5	98.0	98.6	98.9
GE 0.02	71.2	80.9	84.0	86.7	89.2	89.8	91.5	93.4	93.8	95.6	97.0	97.0	97.5	98.1	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(IST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 4/16	GE 1/4	GE 0
NO CEIL	48.6	50.9	51.3	51.5	52.3	52.3	52.8	53.1	53.2	54.2	54.7	54.7	54.9	55.1	55.1	55.4
GE 20000	53.7	56.0	56.7	57.0	57.7	57.7	58.3	58.6	58.7	59.7	60.2	60.2	60.4	60.8	60.8	61.1
GE 18000	53.8	56.5	57.1	57.4	58.2	58.2	58.7	59.0	59.1	60.1	60.6	60.6	60.9	61.2	61.2	61.5
GE 16000	53.8	56.5	57.1	57.4	58.2	58.2	58.7	59.0	59.1	60.1	60.6	60.6	60.9	61.2	61.2	61.5
GE 14000	54.2	56.9	57.5	57.8	58.6	58.6	59.1	59.5	59.6	60.5	61.1	61.1	61.3	61.6	61.6	61.9
GE 12000	55.8	58.6	59.2	59.6	60.3	60.3	60.9	61.2	61.3	62.3	62.8	62.8	63.0	63.3	63.3	63.7
GE 10000	60.0	63.2	64.1	64.4	65.2	65.2	65.7	66.0	66.1	67.1	67.6	67.6	67.8	68.2	68.2	68.5
GE 9000	62.0	65.3	66.2	66.6	67.4	67.4	68.0	68.3	68.4	69.4	69.9	69.9	70.1	70.4	70.4	70.8
GE 8000	63.9	67.1	68.2	68.8	69.9	70.0	70.6	71.0	71.1	72.0	72.6	72.6	72.8	73.1	73.1	73.4
GE 7000	65.4	68.8	70.1	70.9	71.9	72.0	72.8	73.1	73.2	74.2	74.7	74.7	74.9	75.3	75.3	75.6
GE 6000	65.7	69.4	70.8	71.5	72.0	72.7	73.4	73.8	73.9	74.8	75.4	75.4	75.6	75.9	75.9	76.2
GE 5000	67.0	70.6	72.0	72.8	73.9	74.0	74.7	75.2	75.3	76.3	76.9	76.9	77.1	77.4	77.4	77.7
GE 4500	67.1	71.1	72.5	73.3	74.5	74.6	75.4	75.8	75.9	77.0	77.5	77.5	77.7	78.1	78.1	78.4
GE 4000	68.2	72.4	73.9	74.9	76.2	76.3	77.2	77.6	77.7	78.8	79.4	79.4	79.6	79.9	79.9	80.2
GE 3500	68.6	72.9	74.4	75.6	77.1	77.2	78.1	78.5	78.6	80.0	80.5	80.5	80.8	81.1	81.1	81.4
GE 3000	69.2	73.7	75.3	76.5	78.1	78.2	79.1	79.6	79.8	81.2	81.7	81.7	81.9	82.3	82.3	82.6
GE 2500	69.7	74.3	75.9	77.1	79.2	79.4	80.3	80.9	81.1	82.5	83.0	83.0	83.2	83.5	83.5	83.9
GE 2000	70.0	74.8	76.5	77.8	80.2	80.3	81.4	81.9	82.2	83.5	84.1	84.1	84.3	84.6	84.6	84.9
GE 1800	71.1	75.9	77.6	79.0	81.4	81.5	82.6	83.1	83.3	84.7	85.3	85.3	85.5	85.8	85.8	86.1
GE 1500	72.2	77.1	79.1	80.8	83.3	83.4	84.6	85.3	85.5	86.9	87.4	87.4	87.6	88.0	88.0	88.3
GE 1200	72.6	77.7	80.2	81.9	84.8	85.1	86.5	87.3	87.5	89.1	89.6	89.6	90.0	90.3	90.3	90.6
GE 1000	73.4	78.8	81.3	83.0	86.0	86.3	87.8	88.7	88.9	90.6	91.6	91.6	91.8	92.2	92.2	92.5
GE 900	73.5	79.4	81.9	83.8	86.8	87.1	88.6	89.5	89.7	91.5	92.5	92.5	92.7	93.0	93.0	93.3
GE 800	73.5	79.4	82.0	84.0	87.0	87.3	88.8	89.8	90.0	91.6	92.8	92.8	93.0	93.3	93.3	93.7
GE 700	73.5	79.9	82.7	84.6	87.6	88.0	89.5	90.4	90.6	92.5	93.4	93.4	93.7	94.0	94.0	94.3
GE 600	73.5	80.0	82.8	84.7	87.7	88.1	89.7	90.6	90.9	92.9	94.0	94.0	94.2	94.5	94.5	95.1
GE 500	73.7	80.3	83.2	85.3	88.5	88.6	90.6	91.6	91.8	93.9	94.9	95.1	95.3	95.6	95.6	96.1
GE 400	73.7	80.5	83.7	85.8	89.2	89.6	91.4	92.4	92.6	94.7	95.0	95.1	95.3	95.7	95.7	96.2
GE 300	73.7	80.5	83.7	85.8	89.5	89.8	91.7	92.7	92.9	95.4	95.8	95.9	96.1	96.4	96.4	96.9
GE 200	73.7	80.5	83.7	85.8	89.5	89.8	91.7	92.7	92.9	95.4	95.9	96.1	96.3	96.6	96.6	97.1
GE 100	73.7	80.5	83.7	85.8	89.5	89.8	91.7	92.7	92.9	95.5	97.0	97.3	97.5	97.8	97.8	98.3
GE 0	73.7	80.5	83.7	85.8	89.5	89.8	91.7	92.7	92.9	95.5	97.0	97.3	97.5	97.8	97.8	98.3

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86

MONTH: DEC HOURS(1511): 1800-2000

CEILING		VISIBILITY IN STATUTE MILES																
IN FEET		GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 7/16	GE 1/4	GE 0
NO CEIL	1	50.3	52.0	52.2	52.6	53.3	53.4	53.7	53.7	53.7	54.0	54.1	54.1	54.3	54.3	54.3	54.6	
GE 2000	1	55.4	57.2	57.3	57.7	58.5	58.6	58.8	58.8	58.8	59.1	59.2	59.2	59.6	59.6	59.6	59.9	
GE 1800	1	56.5	58.3	58.4	58.8	59.6	59.7	59.9	59.9	59.9	60.2	60.3	60.3	60.6	60.6	60.6	61.0	
GE 1600	1	56.5	58.3	58.4	58.8	59.6	59.7	59.9	59.9	59.9	60.2	60.3	60.3	60.6	60.6	60.6	61.0	
GE 1400	1	56.6	58.6	58.7	59.1	59.9	60.0	60.2	60.2	60.2	60.5	60.6	60.6	61.0	61.0	61.0	61.3	
GE 1200	1	58.7	60.5	60.6	61.1	61.8	61.9	62.2	62.2	62.2	62.5	62.6	62.6	62.9	62.9	62.9	63.2	
GE 1000	1	62.0	64.1	64.2	64.6	65.5	65.6	65.8	65.8	65.8	66.1	66.2	66.2	66.6	66.6	66.6	66.9	
GE 900	1	63.3	65.8	65.9	66.5	67.3	67.4	67.6	67.6	67.6	68.0	68.1	68.1	68.4	68.4	68.4	68.7	
GE 800	1	65.7	68.9	69.4	70.3	71.0	71.1	71.3	71.3	71.3	71.6	71.7	71.7	72.0	72.0	72.0	72.4	
GE 700	1	66.5	69.7	70.1	70.9	71.9	72.0	72.3	72.4	72.4	72.7	72.8	72.8	73.1	73.1	73.1	73.4	
GE 600	1	67.3	70.6	71.1	71.8	72.9	73.0	73.2	73.3	73.3	73.7	73.9	73.9	74.2	74.2	74.2	74.5	
GE 500	1	68.6	72.4	72.9	73.7	74.7	74.8	75.1	75.2	75.2	75.6	75.8	75.8	76.1	76.1	76.1	76.5	
GE 450	1	69.5	73.2	73.8	74.5	75.6	75.7	75.9	76.0	76.0	76.5	76.7	76.7	77.0	77.0	77.0	77.3	
GE 400	1	70.9	74.6	75.2	75.9	77.2	77.3	77.5	77.6	77.6	78.1	78.3	78.3	78.6	78.6	78.6	78.9	
GE 350	1	71.3	75.4	76.0	77.0	78.5	78.6	78.9	79.0	79.0	79.5	79.7	79.7	80.0	80.0	80.0	80.3	
GE 300	1	71.8	76.2	77.0	78.0	79.6	79.7	80.0	80.1	80.1	80.5	80.8	80.8	81.1	81.1	81.1	81.4	
GE 250	1	72.5	77.0	77.7	78.8	80.4	80.6	81.1	81.2	81.2	81.6	81.8	81.8	82.2	82.2	82.2	82.5	
GE 200	1	73.3	78.2	78.9	80.3	82.0	82.3	82.8	82.9	82.9	83.3	83.5	83.5	83.9	83.9	83.9	84.2	
GE 180	1	73.9	78.7	79.5	80.9	82.8	83.0	83.5	83.7	83.7	84.1	84.3	84.3	84.6	84.6	84.6	84.9	
GE 160	1	75.1	80.2	81.2	82.6	84.6	84.9	85.8	86.0	86.0	86.6	86.9	86.9	87.2	87.2	87.2	87.5	
GE 120	1	75.6	80.9	81.8	83.2	85.3	85.6	86.5	86.7	86.7	87.2	87.6	87.6	88.0	88.0	88.0	88.3	
GE 100	1	76.7	82.4	83.4	84.8	86.9	87.3	88.5	88.5	88.5	89.4	89.8	89.8	90.1	90.1	90.1	90.6	
GE 90	1	76.8	82.9	84.0	85.4	87.5	88.0	89.0	89.2	89.2	90.0	90.1	90.1	91.5	91.5	91.5	92.0	
GE 80	1	76.9	83.0	84.1	85.5	87.6	88.1	89.1	89.4	89.4	90.8	91.1	91.3	91.7	91.7	91.7	92.3	
GE 70	1	77.1	83.4	84.5	85.9	88.1	88.6	89.7	89.9	89.9	91.4	91.9	91.9	92.4	92.4	92.4	92.9	
GE 60	1	77.1	83.9	84.9	86.3	88.5	89.0	90.1	90.3	90.3	92.0	92.7	92.7	93.1	93.1	93.1	93.7	
GE 50	1	77.2	84.6	85.9	87.4	89.7	90.2	91.3	91.7	91.7	93.5	94.2	94.2	94.6	94.6	94.6	95.2	
GE 40	1	77.3	85.2	86.6	88.1	90.5	91.1	92.3	92.8	92.8	94.8	95.5	95.5	95.9	95.9	95.9	96.5	
GE 30	1	77.3	85.2	86.6	88.1	90.6	91.2	92.5	93.3	93.3	95.8	96.7	96.8	97.4	97.4	97.4	98.1	
GE 20	1	77.7	85.3	86.7	88.2	90.8	91.3	92.6	93.7	93.7	96.7	98.1	98.2	98.8	98.8	98.8	99.6	
GE 10	1	77.3	85.3	86.7	88.2	90.8	91.3	92.6	93.7	93.7	96.7	98.1	98.2	98.9	98.9	98.9	99.8	
GE 0	1	77.3	85.3	86.7	88.2	90.8	91.3	92.6	93.7	93.7	96.7	98.1	98.2	98.9	98.9	98.9	100.0	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(LST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 4/16	GE 1/4	GE 0
NO CEIL	47.5	48.9	49.4	49.7	50.5	50.5	50.6	50.6	50.6	50.7	50.7	50.7	50.7	50.9	51.2	51.3
GE 20000	52.0	54.7	55.2	55.5	56.3	56.3	56.4	56.4	56.4	56.5	56.5	56.5	56.5	56.7	57.1	57.2
GE 18000	53.4	55.1	55.7	56.0	56.7	56.7	56.8	56.8	56.8	56.9	56.9	56.9	56.9	57.2	57.5	57.6
GE 16000	53.4	55.1	55.7	56.0	56.7	56.7	56.8	56.8	56.8	56.9	56.9	56.9	56.9	57.2	57.5	57.6
GE 14000	54.0	55.8	56.3	56.6	57.4	57.4	57.5	57.5	57.5	57.6	57.6	57.6	57.6	57.8	58.1	58.2
GE 12000	54.9	56.7	57.3	57.6	58.3	58.3	58.4	58.4	58.4	58.6	58.6	58.6	58.6	58.8	59.1	59.2
GE 10000	58.4	60.6	61.1	61.5	62.2	62.2	62.3	62.3	62.3	62.4	62.4	62.4	62.4	62.6	63.0	63.1
GE 9000	59.4	61.7	62.2	62.5	63.3	63.3	63.4	63.4	63.4	63.5	63.5	63.5	63.5	63.7	64.0	64.2
GE 8000	63.7	66.7	67.4	67.7	68.5	68.5	68.7	68.7	68.7	68.8	68.8	68.8	68.8	69.0	69.3	69.4
GE 7000	64.9	68.1	68.6	69.1	69.9	69.9	70.1	70.1	70.1	70.2	70.2	70.2	70.2	70.4	70.7	70.8
GE 6000	65.6	68.8	69.4	69.8	70.5	70.5	70.7	70.7	70.7	70.8	71.0	71.0	71.0	71.3	71.6	71.7
GE 5000	65.8	69.3	70.1	70.4	71.2	71.2	71.4	71.5	71.5	71.6	71.8	71.8	71.8	72.0	72.3	72.4
GE 4500	66.4	70.0	70.7	71.0	71.8	71.8	72.0	72.1	72.1	72.2	72.4	72.4	72.4	72.7	73.0	73.1
GE 4000	67.7	71.4	72.2	72.6	73.3	73.3	73.5	73.6	73.6	73.7	74.0	74.0	74.0	74.2	74.6	74.6
GE 3500	68.7	73.1	74.0	74.3	75.0	75.0	75.2	75.3	75.3	75.5	75.7	75.7	75.7	75.9	76.2	76.3
GE 3000	69.2	74.4	75.2	75.6	76.4	76.5	76.9	77.0	77.0	77.1	77.3	77.3	77.3	77.5	77.8	77.9
GE 2500	70.1	75.3	76.3	76.9	77.9	78.1	78.5	78.6	78.6	78.7	79.0	79.0	79.0	79.1	79.4	79.5
GE 2000	70.9	76.6	77.9	78.7	80.0	80.4	80.7	80.9	80.9	81.0	81.2	81.2	81.2	81.4	81.7	81.8
GE 1800	71.8	77.5	79.0	79.8	81.1	81.5	81.8	81.9	81.9	82.0	82.2	82.2	82.2	82.5	82.8	82.9
GE 1500	72.4	78.3	80.0	80.7	82.0	82.6	83.1	83.2	83.2	83.3	83.5	83.5	83.5	83.7	84.1	84.2
GE 1200	74.3	80.4	82.2	83.0	84.4	85.1	85.9	86.0	86.0	86.3	86.5	86.5	86.5	86.8	87.1	87.2
GE 1000	75.0	81.3	83.2	84.1	85.5	86.3	87.1	87.2	87.2	87.5	88.4	88.6	88.6	88.8	89.2	89.3
GE 900	76.2	82.8	84.8	85.7	87.2	88.1	88.8	89.1	89.1	89.9	90.7	91.0	91.0	91.2	91.6	91.7
GE 800	76.5	83.2	85.3	86.1	87.7	88.6	89.3	89.7	89.7	90.5	91.7	91.9	91.9	92.1	92.6	92.7
GE 700	76.7	83.4	85.5	86.3	87.9	88.8	89.6	90.0	90.0	90.9	92.0	92.2	92.2	92.5	92.9	93.0
GE 600	76.9	83.7	85.9	86.8	88.4	89.2	90.0	90.4	90.4	91.1	92.6	92.7	92.7	92.9	93.3	93.4
GE 500	77.2	84.4	87.1	87.9	89.8	90.6	91.4	91.9	92.0	93.0	94.0	94.4	94.4	94.6	95.0	95.2
GE 400	77.4	85.1	87.8	88.7	90.5	91.4	92.2	92.8	92.8	93.4	94.6	94.7	94.7	95.0	95.4	95.5
GE 300	77.4	85.1	87.8	88.7	90.6	91.5	92.5	93.4	93.6	94.4	95.4	95.6	95.6	95.7	96.4	96.7
GE 200	77.5	85.4	88.1	88.9	90.9	91.7	92.8	93.8	94.0	95.4	96.4	96.6	96.6	96.8	97.0	97.1
GE 100	77.5	85.4	88.1	88.9	90.9	91.7	92.8	93.8	94.0	95.4	96.4	96.6	96.6	96.8	97.0	97.1
GE 0	77.5	85.4	88.1	88.9	90.9	91.7	92.8	93.8	94.0	95.4	96.4	96.6	96.6	96.8	97.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 949



PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

PERIOD OF RECORD: 77-84  
MONTH: DEC      QUARTER: 4      ALL

TOTAL NUMBER OF OBSERVATIONS: 7459

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-87  
MONTH: ALL HOURS (LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1	1/2	1/4	1/8	1/16	1/32	1/64	1/128	1/256	1/512	1/1024	1/2048	1/4096	1/8192	1/16384	1/32768
NO CEIL	54.9	56.0	56.3	56.5	56.4	56.9	57.0	57.1	57.1	57.2	57.2	57.2	57.2	57.3	57.3	57.3
GE 20000	59.6	59.7	61.0	61.3	61.6	61.7	61.8	61.9	61.9	62.0	62.0	62.0	62.0	62.1	62.1	62.2
GE 18000	59.9	61.0	61.4	61.5	62.0	62.0	62.1	62.2	62.2	62.3	62.3	62.3	62.4	62.4	62.5	62.5
GE 16000	59.9	61.1	61.4	61.7	62.0	62.1	62.2	62.3	62.3	62.4	62.4	62.4	62.4	62.5	62.5	62.6
GE 14000	60.5	61.6	62.0	62.2	62.5	62.6	62.7	62.8	62.8	62.9	63.0	63.0	63.0	63.1	63.1	63.1
GE 12000	62.0	63.3	63.6	63.9	64.2	64.3	64.4	64.5	64.5	64.6	64.6	64.7	64.7	64.7	64.8	64.8
GE 10000	65.0	66.4	66.8	67.0	67.4	67.5	67.6	67.7	67.7	67.8	67.9	67.9	67.9	67.9	68.0	68.0
GE 9000	66.1	67.5	67.9	68.2	68.6	68.6	68.7	68.9	68.9	69.0	69.0	69.0	69.1	69.1	69.2	69.2
GE 8000	68.9	70.5	70.9	71.2	71.7	71.7	71.9	72.0	72.0	72.1	72.2	72.2	72.2	72.3	72.3	72.3
GE 7000	70.5	72.1	72.6	72.9	73.4	73.4	73.6	73.7	73.7	73.8	73.9	73.9	73.9	74.0	74.0	74.1
GE 6000	71.3	73.0	73.5	73.6	74.3	74.4	74.5	74.6	74.6	74.8	74.8	74.8	74.9	74.9	75.0	75.0
GE 5000	73.1	75.0	75.5	75.9	76.4	76.5	76.7	76.8	76.8	76.9	77.0	77.0	77.1	77.1	77.1	77.2
GE 4000	74.2	76.2	76.8	77.2	77.8	77.9	78.0	78.2	78.2	78.4	78.4	78.4	78.5	78.5	78.6	78.6
GE 3000	75.2	77.3	77.9	78.4	79.0	79.1	79.3	79.5	79.5	79.7	79.7	79.8	79.8	79.8	79.9	79.9
GE 2000	76.2	78.5	79.1	79.6	80.3	80.4	80.6	80.8	80.8	81.0	81.0	81.0	81.1	81.1	81.2	81.2
GE 1000	77.7	80.1	80.8	81.4	82.1	82.2	82.4	82.6	82.7	82.8	82.9	83.0	83.0	83.0	83.1	83.1
GE 2000	79.0	81.7	82.5	83.1	83.9	84.0	84.2	84.5	84.5	84.7	84.8	84.8	84.9	84.9	84.9	85.0
GE 2000	80.4	83.3	84.2	84.8	85.7	85.8	86.1	86.4	86.5	86.7	86.8	86.8	86.9	86.9	86.9	87.0
GE 1800	80.9	83.8	84.8	85.4	86.4	86.5	86.8	87.1	87.1	87.4	87.5	87.5	87.6	87.6	87.6	87.7
GE 1500	82.1	85.4	86.4	87.2	88.2	88.3	88.7	89.0	89.1	89.4	89.5	89.5	89.6	89.6	89.7	89.7
GE 1200	83.3	86.9	88.0	88.8	89.9	90.1	90.6	90.9	91.0	91.3	91.5	91.5	91.6	91.6	91.7	91.8
GE 1000	84.0	87.9	89.1	89.9	91.2	91.3	91.8	92.3	92.4	92.8	93.0	93.0	93.1	93.2	93.2	93.3
GE 900	84.4	88.4	89.7	90.6	91.9	92.1	92.6	93.1	93.2	93.6	93.8	93.8	94.0	94.1	94.1	94.2
GE 800	84.6	88.8	90.1	91.1	92.4	92.6	93.2	93.7	93.8	94.2	94.5	94.6	94.7	94.8	94.8	94.9
GE 700	84.9	89.2	90.6	91.5	92.9	93.2	93.7	94.3	94.4	94.9	95.2	95.2	95.4	95.5	95.5	95.6
GE 600	85.1	89.5	91.0	92.0	93.5	93.7	94.4	95.0	95.1	95.6	96.0	96.0	96.2	96.3	96.4	96.5
GE 500	85.2	89.9	91.4	92.6	94.2	94.5	95.2	95.9	96.0	96.6	97.0	97.1	97.3	97.4	97.4	97.6
GE 400	85.3	90.1	91.7	92.9	94.7	95.0	95.8	96.5	96.7	97.4	97.8	97.9	98.1	98.2	98.3	98.4
GE 300	85.4	90.2	91.8	93.0	94.9	95.2	96.1	96.9	97.1	97.9	98.4	98.5	98.7	98.8	98.9	99.1
GE 200	85.4	90.2	91.9	93.1	95.0	95.3	96.2	97.1	97.3	98.2	98.7	98.8	99.1	99.2	99.4	99.6
GE 100	85.4	90.2	91.9	93.1	95.0	95.3	96.2	97.1	97.3	98.2	98.8	98.9	99.2	99.4	99.6	99.9
GE 0	85.4	90.2	91.9	93.1	95.0	95.3	96.2	97.1	97.3	98.2	98.8	98.9	99.2	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 47641

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: JAN

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	28.5			19.1						15.8	76.6	5.7	720
03-05	30.4			19.3						12.1	78.2	5.5	921
06-08	22.1			23.4						15.7	78.8	6.0	918
09-11	7.8			26.2						27.9	76.2	7.0	915
12-14	8.1			25.7						26.3	40.0	7.1	918
15-17	6.2			26.9						26.8	78.1	7.1	921
18-20	12.3			29.1						22.5	76.2	6.5	920
21-23	24.6			21.8						16.3	77.3	5.4	917
TOTALS	17.5			24.4						20.4	77.7	6.4	7347

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: FEB

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	25.0			17.2						12.7	45.0	6.2	845
03-05	24.9			16.3						13.8	43.0	6.1	840
06-08	15.8			24.5						16.0	43.7	6.5	840
09-11	7.3			22.2						27.2	43.2	7.4	837
12-14	5.3			20.0						26.7	44.9	7.6	842
15-17	5.0			21.7						29.2	44.1	7.7	845
18-20	6.3			28.0						24.5	41.2	7.2	845
21-23	17.3			10.2						18.8	43.7	6.7	842
TOTALS	13.4			21.9						21.1	43.6	6.9	6736

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: MAR

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER												
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN
00-02	26.8			16.0						14.4	40.9	5.9
03-05	28.3			17.2						11.3	43.1	5.6
06-08	11.4			26.0						18.3	44.3	6.9
09-11	7.7			23.6						21.1	47.6	7.4
12-14	5.4			25.9						26.9	41.8	7.4
15-17	3.6			25.9						28.0	42.5	7.5
18-20	4.9			24.2						23.4	42.4	7.2
21-23	17.7			22.6						14.5	45.3	6.5
TOTALS	13.2			23.6						19.7	43.5	6.3

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: APR

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER												
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN
00-02	38.0			18.5						14.9	28.6	4.8
03-05	30.8			25.2						15.7	28.3	5.0
06-08	9.8			33.6						26.0	30.4	6.4
09-11	8.5			33.4						25.0	33.1	6.6
12-14	5.0			33.6						27.4	33.5	6.9
15-17	5.2			31.7						21.0	32.1	6.9
18-20	5.5			37.6						23.0	29.0	6.5
21-23	24.9			31.7						16.7	26.8	5.1
TOTALS	16.0			35.7						23.2	30.2	6.0

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WFAATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 79-87  
MONTH: MAY

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURS   (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	27.7			28.2						15.5	28.6	5.1	927
03-05	15.6			37.6						18.7	28.2	5.6	926
06-08	5.7			39.6						24.6	20.1	6.4	924
09-11	5.1			33.8						30.5	20.6	6.4	918
12-14	1.7			30.6						35.7	21.7	7.3	921
15-17	1.4			29.3						40.8	26.4	7.4	921
18-20	3.1			34.2						36.2	26.4	6.9	927
21-23	11.5			29.2						22.0	27.3	5.9	927
TOTALS	9.0			34.1						28.0	28.9	6.4	7341

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 79-87  
MONTH: JUN

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURS   (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	27.7			22.1						17.4	22.8	4.8	900
03-05	15.3			29.9						26.2	19.9	5.6	900
06-08	6.4			38.9						29.9	24.8	6.3	900
09-11	4.8			41.9						29.8	24.6	6.4	900
12-14	1.7			41.6						22.4	24.1	6.6	900
15-17	.9			41.6						22.9	20.1	6.7	899
18-20	2.0			43.7						34.6	19.7	6.4	898
21-23	6.6			46.4						22.4	17.1	5.5	899
TOTALS	7.9			40.9						29.5	21.6	6.1	7146

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 76-87  
MONTH: JUL

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER														
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS	
00-02	27.8			36.5						18.4	17.3	4.5	929	
03-05	14.5			44.1						24.7	16.7	5.4	928	
06-08	5.4			43.3						34.6	15.7	6.1	929	
09-11	6.1			47.6						31.9	14.4	5.7	930	
12-14	2.7			48.2						36.5	12.7	6.0	930	
15-17	2.0			46.3						40.0	11.6	6.4	930	
18-20	2.9			53.2						33.4	13.1	5.6	930	
21-23	11.2			51.6						25.2	12.0	5.0	928	
TOTALS	9.1			46.4						30.8	13.4	5.5	7434	

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 76-87  
MONTH: AUG

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER														
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS	
00-02	16.9			36.5						17.3	15.3	4.0	929	
03-05	25.6			36.3						12.4	16.2	4.6	924	
06-08	4.2			46.8						31.3	17.7	6.0	923	
09-11	6.0			45.2						24.2	20.5	5.9	926	
12-14	3.7			44.1						31.1	17.2	6.0	927	
15-17	3.8			46.2						36.7	13.4	6.0	927	
18-20	4.2			51.9						32.0	12.9	5.7	924	
21-23	19.9			45.7						22.1	12.2	4.6	923	
TOTALS	11.0			44.1						27.3	15.7	5.4	7403	

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM 4-DAILY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: SEP

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER														
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS	
00-02	71.3			23.6						15.0	29.8	5.1	844	
03-05	29.1			21.9						15.4	31.7	5.3	847	
06-08	8.2			15.0						10.1	26.6	6.4	847	
09-11	8.3			32.0						10.9	25.8	6.6	900	
12-14	6.2			31.8						10.0	20.0	6.6	900	
15-17	5.3			32.2						36.1	26.3	6.4	900	
18-20	7.4			36.6						29.1	24.9	6.3	900	
21-23	24.1			31.9						16.4	27.6	5.0	900	
TOTALS	15.0			31.2						25.6	25.2	6.1	7142	

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: OCT

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER														
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS	
00-02	70.5			19.7						17.2	10.5	5.2	924	
03-05	20.7			23.2						14.1	12.0	5.2	924	
06-08	13.5			15.0						21.8	29.6	6.0	924	
09-11	8.2			33.5						25.7	12.6	6.6	924	
12-14	6.6			12.0						28.3	13.1	6.8	930	
15-17	7.5			26.9						11.0	11.5	6.8	929	
18-20	11.0			12.8						27.5	28.7	6.3	930	
21-23	26.7			23.1						20.5	29.7	5.5	929	
TOTALS	17.1			26.7						23.3	11.0	6.1	7425	

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: NOV

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	26.6			18.8						13.6	41.1	5.9	896
03-05	26.1			17.9						15.1	40.8	6.0	892
06-08	15.1			26.4						19.2	39.3	6.4	899
09-11	7.3			27.7						26.9	38.0	7.1	898
12-14	7.5			26.1						26.2	40.2	7.2	896
15-17	5.0			30.6						25.4	38.8	7.1	899
18-20	13.4			25.4						22.2	39.0	6.7	897
21-23	23.4			21.9						12.9	41.8	6.0	897
TOTALS	15.6			24.4						20.2	39.9	6.5	7174

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: DEC

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	23.5			20.7						18.1	37.6	6.0	922
03-05	26.9			20.7						13.8	38.6	5.7	922
06-08	20.0			26.6						18.7	34.8	6.0	915
09-11	6.7			29.4						28.0	36.0	7.0	923
12-14	9.0			26.7						27.3	37.1	7.0	923
15-17	5.7			30.9						29.1	34.3	7.0	916
18-20	11.6			31.0						22.3	35.2	6.5	924
21-23	19.5			21.2						20.8	38.5	6.4	923
TOTALS	15.4			25.9						22.3	36.5	6.5	7368



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-87  
MONTH: ALL

		PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN	TOTAL OBS
	HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	
JAN	ALL	17.5			24.4						20.4	37.7	6.4 7347
FEB		13.4			21.9						21.1	43.6	6.9 6736
MAR		13.2			23.6						19.7	43.5	6.6 7431
APR		16.0			30.7						23.2	30.2	6.0 7175
MAY		9.0			34.1						28.0	28.9	6.4 7341
JUN		7.9			40.9						29.5	21.6	6.1 7196
JUL		9.1			46.4						30.8	13.8	5.5 7434
AUG		13.0			44.0						27.3	15.7	5.4 7403
SEP		15.0			31.2						25.6	28.2	6.1 7192
OCT		17.1			26.7						23.3	31.0	6.1 7425
NOV		15.6			24.4						20.2	39.9	6.6 7174
DEC		15.4			25.9						22.3	36.5	6.5 7366
TOTALS		13.5			31.4						24.3	30.9	6.2 7272

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## TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY MAXIMUM (MINIMUM AND MEAN) TEMPERATURES

DATA DERIVED FROM SUMMARY OF DAY DATA.

PERCENTAGE TABULATIONS PRESENTED BY 5-DEGREE FAHRENHEIT INCREMENTS PLUS THE MEAN, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNT.

THE MINIMUM TABLE ALSO INCLUDES A 33 FAHRENHEIT DEGREE INCREMENT.

SINCE MANY STATIONS/SITES DO NOT HAVE MAXIMUM/MINIMUM THERMOMETERS, THESE TEMPERATURES WERE SELECTED BY SCANNING THE HOURLY OBSERVATIONS FOR THE HIGHEST AND LOWEST VALUES.

STATISTICS DO NOT INCLUDE INCOMPLETE MONTHS (THOSE CONTAINING ASTERISKS).

FOUR OR MORE COMPLETE MONTHS ARE REQUIRED FOR COMPUTATION AND DISPLAY OF STATISTICAL VALUES.

### EXTREME MAXIMUM AND MINIMUM VALUES

DATA DERIVED FROM SUMMARY OF DAY DATA.

PRESENTED ARE THE HIGHEST (LOWEST) TEMPERATURE FOR THE MONTH FOR EACH YEAR.

ALSO PRESENTED ARE STATISTICAL VALUES WITH THE SAME LIMITATIONS MENTIONED ABOVE.

AN ASTERISK INDICATES AN INCOMPLETE MONTH.

### MEANS AND STANDARD DEVIATIONS FOR DRY BULB (WET BULB AND DEW POINT) TEMPERATURES

DATA DERIVED FROM HOURLY OBSERVATIONS.

DATA PRESENTED BY THE STANDARD 3-FOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PRESENTED ARE MEANS, STANDARD DEVIATION AND OBSERVATION COUNTS.

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 3-FOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PERCENTAGE VALUES PRESENTED IN 10 DEGREE INCREMENTS OF RELATIVE HUMIDITY.

ALSO PRESENTED ARE THE MEAN VALUES AND OBSERVATION COUNTS.

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE OF OCCURRENCE OF MAXIMUM TEMPERATURES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 727675

STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 59-87

TEMP(F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
GE 105					.1	.4	.2	.2					.0
GE 100					.5	1.9	1.5	1.7	.6				.4
GE 95				.1	.7	5.8	5.8	7.4	1.9				1.5
GE 90				.5	3.1	17.3	19.6	4.7	.1				4.3
GE 85				1.3	7.0	15.4	35.9	36.3	10.2	.5			9.0
GE 80				2.7	13.7	29.3	62.9	53.1	18.3	2.1			15.3
GE 75			.2	5.7	23.4	52.6	81.9	70.9	29.1	6.0	.1		22.7
GE 70			.7	11.1	40.8	74.9	94.8	84.9	43.7	13.3	.7		30.6
GE 65			1.7	18.1	54.5	87.6	98.8	94.0	58.9	24.4	1.5		36.8
GE 60			4.0	30.0	68.3	95.5	99.8	98.7	72.7	37.2	3.7		42.6
GE 55		.1	7.6	41.8	82.4	99.3	99.9	99.9	83.7	53.1	8.6	.2	48.2
GE 50	.2	.9	13.0	56.4	91.1	100.0	100.0	100.0	93.2	67.5	16.9	1.0	53.6
GE 45	1.2	3.9	21.8	68.9	96.1				96.9	79.6	25.0	2.5	58.1
GE 40	6.7	11.8	33.9	79.0	98.5				99.1	87.8	36.0	9.2	63.6
GE 35	15.0	21.6	50.1	89.2	99.5				99.9	95.7	50.6	19.4	70.2
GE 30	24.0	36.0	64.4	97.3	100.0				100.0	97.9	66.2	32.4	76.6
GE 25	34.0	50.4	74.0	98.8						99.9	78.5	43.3	81.7
GE 20	42.1	59.3	84.3	99.5						100.0	86.8	58.2	85.9
GE 15	49.8	69.0	91.5	99.8							91.3	66.5	89.0
GE 10	58.8	77.4	95.6	100.0							96.0	74.9	91.9
GE 5	68.8	86.7	98.0								98.0	83.2	94.5
GE 0	78.2	92.3	99.5								98.8	81.1	96.7
GE -5	87.2	97.3	99.9								99.6	85.3	98.3
GE -10	94.4	99.2	100.0								100.0	88.5	99.3
GE -15	98.6	99.9										99.4	99.8
GE -20	99.7	100.0										99.9	100.0
GE -25	100.0											100.0	100.0
MEAN	15.0	22.2	34.1	52.0	66.0	75.2	81.8	80.3	67.6	55.2	34.8	20.8	50.4
SD	16.599	14.463	14.042	13.824	12.188	9.091	7.841	9.870	12.671	12.458	14.242	14.829	26.626
TOTAL OBS	868	791	860	840	868	840	868	868	810	868	840	868	10197

GLOBAL CLIMATOLOGY BRANCH  
1 SAFETYAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE OF OCCURRENCE OF MINIMUM TEMPERATURES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 727675

STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 59-87

TEMP (F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
GE 70					.1	1.2	.5						.1
GE 65					2.1	10.3	4.3	.6					1.6
GE 60					6.8	35.4	66.0	47.5	8.8	.2			5.8
GE 55				1.2	21.0	67.7	89.2	74.1	25.7	2.5			13.9
GE 50			.1	4.5	40.8	87.9	98.2	91.6	46.3	8.9	.4		23.6
GE 45			.2	13.7	62.8	96.4	99.8	98.0	69.3	22.7	1.1		31.7
GE 40				31.5	81.8	99.0	100.0	99.7	86.4	46.7	4.6	.3	38.8
GE 35	.6	.6	2.5	43.7	87.6	99.5		99.9	91.0	55.2	7.9	.7	46.3
GE 30	1.4	1.9	7.6	61.5	93.4	100.0		99.9	91.0	55.2	7.9	.7	49.8
GE 25	2.1	3.5	18.1	82.0	96.6			100.0	95.8	71.1	14.2	1.6	55.2
GE 20	6.2	11.8	35.7	82.0	96.6				99.4	86.9	31.2	6.7	63.3
GE 15	11.1	21.9	49.0	91.4	100.0				99.8	94.0	48.1	16.2	69.4
GE 10	19.2	32.0	59.3	96.2					100.0	97.8	64.8	17.3	74.8
GE 5	26.7	42.1	70.6	98.5						99.4	76.2	38.2	79.4
GE 0	34.1	50.6	80.0	99.0						99.8	84.2	48.3	83.0
GE -5	43.9	60.2	86.0	99.2						100.0	91.0	80.1	86.9
GE -10	55.2	71.3	92.7	99.4							94.4	72.1	90.5
GE -15	64.3	81.7	96.5	99.9							97.7	83.8	93.7
GE -20	76.3	90.0	98.4	100.0							99.0	91.2	96.2
GE -25	87.2	97.1	99.3								100.0	96.0	98.3
GE -30	95.5	98.9	99.9									98.6	99.4
GE -35	99.2	99.7	100.0									99.8	99.9
GE -40	100.0	100.0										100.0	100.0
MEAN	-2.0	5.0	16.5	30.9	42.4	52.0	56.8	53.8	43.6	33.4	17.4	3.9	29.5
SD	15.946	15.702	13.284	8.697	8.373	6.496	5.806	6.679	8.246	8.365	12.176	14.096	22.760
TOTAL OBS	868	791	668	840	868	840	868	868	810	868	840	868	10197

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/PAC

CUMULATIVE PERCENTAGE OF OCCURRENCE OF MEAN TEMPERATURES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 727675

STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 59-87

TEMPERATURE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
GE 90							.1						.0
GE 85						.1	.5	.5					.1
GE 80					.2	1.3	5.3	4.4	.7				1.0
GE 75					2.1	6.5	21.8	17.5	2.8				4.3
GE 70				.6	5.3	20.6	50.0	39.9	7.9				10.5
GE 65				1.5	14.1	45.0	80.5	63.4	18.8	1.4			18.9
GE 60				4.4	30.1	73.3	96.1	83.5	34.9	5.6			27.5
GE 55			.6	11.1	48.7	91.4	99.7	95.6	54.0	14.2	.6		34.8
GE 50			1.2	20.6	68.7	98.3	100.0	99.3	75.2	32.5	1.7		41.6
GE 45			5.0	38.1	85.4	100.0		99.9	88.3	51.2	5.4	.1	47.9
GE 40	.8	1.4	13.6	60.0	94.4			100.0	96.0	71.0	14.0	.8	54.5
GE 35	3.0	6.5	27.4	76.2	98.6				99.1	85.0	25.6	3.6	60.6
GE 30	8.6	15.9	43.6	69.4	99.8				100.0	94.1	43.0	10.6	67.2
GE 25	16.0	27.7	57.6	95.7	100.0					97.1	60.5	23.0	73.2
GE 20	26.4	40.5	69.1	98.5						99.4	73.6	34.7	78.6
GE 15	34.8	51.1	78.7	99.0						99.9	83.2	48.7	83.0
GE 10	43.3	60.4	87.4	99.4						100.0	89.3	59.8	86.7
GE 5	52.5	77.9	92.7	99.8							93.9	70.0	90.0
GE 0	62.0	87.5	96.4	100.0							96.7	78.6	92.9
GE -5	71.5	88.9	98.6								98.3	88.4	95.5
GE -10	83.3	94.3	99.7								99.4	93.9	97.5
GE -15	91.2	98.6	99.9								100.0	97.1	98.9
GE -20	98.2	99.6	100.0									99.4	99.8
GE -25	99.7	100.0										99.9	100.0
GE -30	100.0											100.0	100.0
MEAN	6.6	13.8	25.5	41.7	54.4	63.8	69.6	67.3	55.9	44.6	26.4	12.5	40.2
SD	15.999	14.491	13.114	10.372	9.442	6.899	5.938	7.447	9.476	9.494	12.601	14.083	24.418
TOTAL OBS	868	791	868	840	868	840	868	868	810	868	840	868	10197

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF MAXIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 59-87

YEAR	WHOLE DEGREES FAHRENHEIT												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
59													
60	40	40	60	69	87	89	106	96	98	82	64	45	106
61	47	51	63	67	87	96	93	101	83	83	70	51	101
62	43	42	58	86	77	88	83	93	88	74	59	53	93
63	50	56	75	77	87	84	95	96	92	91	58	48	96
64	43	45	55	72	92	92	92	97	86	83	65	33	97
65	33	43	39	79	84	81	85	99	77	74	74	53	99
66	26	40	75	64	88	91	95	93	92	82	46	43	95
67	41	40	63	64	84	92	97	94	91	71	55	52	97
68	44	45	69	67	78	94	98	93	88	71	51	42	98
69	32	32	36	72	94	83	89	100	91	70	63	58	100
70	41	40	45	70	90	93	99	98	97	80	56	44	99
71	37	44	62	82	85	87	88	105	96	73	55	37	105
72	45	42	56	66	94	89	89	95	87	72	48	41	95
73	46	48	68	79	86	95	98	98	84	80	50	38	98
74	42	40	45	80	76	94	100	93	85	81	58	48	100
75	39	40	56	56	82	89	100	92	87	81	75	42	100
76	37	46	61	79	80	87	100	99	100	85	64	48	100
77	32	50	63	91	96	96	107	86	83	80	66	39	107
78	30	36	62	71	85	89	94	100	103	76	70	36	103
79	23	34	40	64	90	104	96	90	98	76	58	59	104
80	44	32	53	96	100	94	102	90	95	86	61	48	102
81	47	51	61	83	86	93	103	97	96	71	69	38	103
82	35	46	46	85	88	86	92	96	100	71	53	44	100
83	45	46	54	71	91	97	101	105	98	77	73	27	105
84	44	51	59	73	96	91	101	101	88	74	58	42	101
85	41	45	60	85	90	84	96	89	82	71	56	39	96
86	43	46	71	78	97	98	91	96	76	76	57	41	98
87	50	50	65	93	95	102	98	95					
MEAN	40.0	43.9	58.0	76.7	88.0	91.4	96.0	96.0	90.4	77.1	60.3	43.9	99.9
S.D.	6.864	5.950	10.156	9.611	6.197	5.506	5.932	4.517	7.196	5.727	7.854	7.318	3.605
TOTAL OBS	868	791	968	840	868	840	868	868	810	868	840	668	10197

NOTES \* (BASED ON LESS THAN FULL MONTHS)  
# (AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF MINIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 59-87

YEAR	WFOLE DEGREES FAHRENHEIT												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
59										17	-10	7	
60	-20	-10	-15	19	26	38	47	44	30	8	-14	-15	-20
61	-26	-20	12	10	20	42	47	48	27	18	3	-25	-26
62	-29	-32	-30	17	24	36	44	43	30	18	16	-16	-32
63	-25	-19	0	19	22	43	50	44	35	22	-8	-25	-25
64	-24	-16	-21	16	31	30	49	34	27	19	-20	-21	-24
65	-23	-19	-13	25	28	42	45	37	19	22	-3	-16	-23
66	-34	-26	0	13	22	39	50	42	31	14	-7	-19	-34
67	-27	-29	-6	6	20	35	38	42	28	24	-5	-33	-33
68	-32	-16	6	5	29	40	43	36	34	23	0	-26	-32
69	-27	-24	-10	19	31	30	47	45	35	17	?	-10	-27
70	-26	-20	-8	11	30	47	49	43	26	22	-6	-25	-28
71	-28	-23	-2	15	29	34	44	41	34	17	1	-17	-26
72	-32	-21	-24	13	26	37	40	42	24	4	-7	-27	-32
73	-25	-20	15	6	27	43	48	46	27	25	-9	-24	-25
74	-28	-25	-15	16	29	38	47	38	19	17	-3	-4	-28
75	-22	-19	-9	-11	32	41	49	39	32	16	-18	-22	-22
76	-26	-17	-22	22	25	39	39	40	23	10	-8	-26	-28
77	-32	-9	2	12	32	47	49	37	35	27	-15	-30	-32
78	-30	-18	-14	22	32	33	46	37	32	22	-20	-24	-30
79	-27	-30	-13	-6	24	39	44	33	34	17	4	-12	-30
80	-21	-27	-22	16	23	40	49	40	33	16	3	-25	-27
81	-15	-20	12	14	21	46	48	42	31	7	13	-18	-20
82	-25	-20	-6	6	30	40	48	30	24	20	-1	-10	-25
83	-22	-14	5	17	25	39	47	49	28	25	2	-35	-35
84	-23	-6	-11	23	20	42	44	40	24	1	1	-20	-23
85	-25	-21	2	19	34	34	45	40	28	14	-19	-16	-25
86	-16	-21	5	14	28	39	51	41	33	20	-7	-9	-21
87	-3	5	0	26	33	43	47	37					
MEAN	-24.9	-19.3	-6.5	13.9	27.2	35.1	46.2	40.4	29.3	17.4	-4.8	-15.4	-27.2
S.D.	6.238	7.484	11.762	8.489	4.092	4.461	3.304	4.356	4.505	6.231	9.179	9.024	4.326
TOTAL OBS	868	791	868	840	868	840	868	868	810	868	840	868	10197

NOTES \* (BASED ON LESS THAN FULL MONTHS)  
# (AT LEAST ONE DAY LESS THAN 24 OBS)



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

DRY-BULB TEMPERATURES DEG F FROM  
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-87

HOURS	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02	MEAN	8.3	13.6	24.6	36.7	48.5	56.6	62.0	59.5	49.7	39.5	23.7	11.7	36.3
	SD	16.500	15.808	11.986	9.781	9.505	7.138	6.364	7.641	8.812	8.689	13.419	14.607	21.791
	TOT OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956
03-05	MEAN	7.8	12.5	23.5	34.7	45.8	54.1	59.6	57.0	48.2	38.1	22.9	11.1	34.7
	SD	16.696	16.025	12.141	9.368	9.139	7.247	6.373	7.660	8.768	8.543	13.384	14.818	21.222
	TOT OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956
06-08	MEAN	7.6	11.7	22.4	35.8	49.0	58.3	63.2	59.0	46.5	37.5	22.3	10.5	35.7
	SD	17.039	16.115	12.271	9.763	9.840	7.379	6.204	7.713	8.693	8.345	13.393	15.106	22.532
	TOT OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956
09-11	MEAN	9.0	14.0	27.0	44.6	58.6	67.1	72.8	69.6	57.5	44.6	25.9	12.1	42.0
	SD	16.757	16.189	12.919	13.285	12.030	8.841	6.851	9.302	10.803	10.278	14.230	15.133	25.843
	TOT OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956
12-14	MEAN	13.3	18.7	31.9	50.4	64.0	72.0	78.8	76.4	63.7	51.3	31.1	16.1	47.5
	SD	16.412	15.787	13.239	14.619	13.407	9.884	7.850	10.445	12.573	12.205	15.372	15.144	26.760
	TOT OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956
15-17	MEAN	14.2	20.2	33.7	52.2	65.5	73.7	80.7	78.5	65.3	52.2	31.3	16.5	48.8
	SD	16.012	15.241	13.212	14.759	13.444	10.187	7.925	10.546	13.172	12.374	15.411	15.069	27.099
	TOT OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956
18-20	MEAN	10.9	17.0	30.2	48.0	62.1	70.7	76.8	73.6	59.3	44.9	26.0	13.5	44.5
	SD	16.097	15.149	11.926	13.278	12.419	9.388	7.310	9.831	11.486	10.004	13.707	14.958	26.392
	TOT OBS	930	846	930	900	930	900	930	927	900	930	900	930	10953
21-23	MEAN	9.2	14.9	26.7	40.6	53.4	61.6	66.9	63.8	52.0	40.9	24.1	12.4	39.0
	SD	16.354	15.612	11.186	10.576	10.278	7.809	6.358	8.125	9.036	9.075	13.483	14.651	23.128
	TOT OBS	930	846	930	900	930	900	930	927	900	930	900	930	10953
ALL	MEAN	10.0	15.3	27.6	42.9	55.9	64.3	70.1	67.2	55.5	43.6	25.9	13.0	41.1
	SD	16.647	15.992	12.930	13.722	13.454	11.117	10.347	11.974	12.333	11.370	14.445	15.076	24.981
	TOT OBS	7440	6767	7440	7200	7440	7200	7440	7434	7200	7440	7200	7440	87641

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

WET-BULB TEMPERATURES DEG F FROM  
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-87

HOURS	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
LST														
00-02	MEAN	7.3	12.4	22.8	33.3	43.6	50.9	57.0	54.2	45.2	36.1	21.7	10.6	32.9
	SD	15.766	15.195	11.436	8.620	7.800	6.394	5.384	6.769	7.599	7.571	12.415	14.014	19.949
	TOT OBS	928	845	930	876	881	888	902	926	900	930	900	930	10636
03-05	MEAN	6.7	11.4	21.8	31.8	41.9	49.4	55.5	52.7	44.3	35.1	21.0	10.0	31.6
	SD	15.962	15.378	11.663	8.539	7.855	6.696	5.652	6.942	7.671	7.494	12.414	14.205	19.746
	TOT OBS	927	845	930	876	879	888	900	927	900	929	900	930	10631
06-08	MEAN	6.5	11.6	21.2	32.6	44.2	52.3	57.8	54.1	44.6	34.7	20.6	9.5	32.4
	SD	16.269	15.472	11.937	8.671	7.839	6.390	5.130	6.673	7.679	7.431	12.476	14.486	20.663
	TOT OBS	927	845	930	876	880	888	898	927	899	927	900	930	10627
09-11	MEAN	7.8	12.7	24.4	38.1	49.6	56.5	62.4	59.5	49.8	39.5	23.3	10.8	36.2
	SD	15.949	15.388	11.840	9.856	8.046	6.421	4.739	6.533	7.570	8.034	12.690	14.410	21.861
	TOT OBS	930	844	930	874	882	891	899	930	899	928	900	930	10637
12-14	MEAN	11.7	16.8	26.0	41.0	51.8	58.2	64.3	61.6	52.4	41.2	27.1	14.3	39.2
	SD	15.337	14.684	11.342	9.703	7.973	6.414	5.075	6.485	7.733	8.568	12.668	14.100	21.110
	TOT OBS	930	846	930	870	883	892	900	930	898	900	900	930	10639
15-17	MEAN	12.5	18.2	29.3	42.0	52.3	58.6	64.4	61.8	52.8	43.5	27.1	14.7	39.8
	SD	15.004	14.178	10.946	9.458	7.642	6.128	4.905	6.266	7.805	8.633	12.635	14.643	20.624
	TOT OBS	930	846	930	873	885	890	902	930	900	930	900	930	10846
18-20	MEAN	9.6	15.5	27.1	40.0	50.7	57.5	63.4	60.1	50.2	39.5	23.5	12.2	37.4
	SD	15.279	14.442	10.607	9.256	7.561	6.130	4.938	6.279	7.855	8.008	12.308	14.236	21.264
	TOT OBS	930	846	929	873	888	891	901	927	899	930	900	930	10844
21-23	MEAN	8.1	13.6	24.6	36.0	46.5	53.9	59.8	56.3	46.5	37.0	22.0	11.2	34.6
	SD	15.555	14.975	10.613	8.675	7.612	6.392	5.181	6.624	7.562	7.853	12.427	14.040	20.459
	TOT OBS	930	846	930	873	886	891	901	927	899	930	900	930	10843
ALL	MEAN	8.8	13.9	24.9	36.8	47.6	54.7	60.6	57.6	48.2	38.6	23.3	11.7	35.5
	SD	15.783	15.171	11.632	9.851	8.660	7.185	6.104	7.403	8.348	8.582	12.725	14.301	20.945
HOURS	TOT OPS	7432	6763	7439	6991	7064	7119	7203	7424	7194	7434	7200	7440	86703

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

DEW-POINT TEMPERATURES DEG F FROM  
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-87

HOURS	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
LST														
00-02	MEAN	.0	6.3	17.7	27.6	37.2	45.7	53.3	49.9	40.5	31.3	16.3	4.2	27.5
	SD	18.252	17.866	13.416	9.541	9.149	7.896	5.926	8.009	8.458	8.193	13.628	16.512	21.460
	TOT OBS	928	845	930	876	881	888	902	926	900	930	900	930	10836
03-05	MEAN	-6	5.1	16.8	26.8	36.5	44.8	52.3	49.0	40.0	30.7	15.8	3.6	26.7
	SD	18.506	17.969	13.720	9.776	8.898	8.078	6.208	7.889	8.460	8.049	13.663	16.710	21.499
	TOT OBS	927	845	930	876	879	888	900	927	900	929	900	930	10831
06-08	MEAN	-8	4.3	16.1	27.4	38.3	47.0	54.0	50.3	40.5	30.4	15.4	3.0	27.1
	SD	18.798	18.142	14.078	9.543	8.692	7.814	5.757	7.527	8.465	7.987	13.775	16.896	22.221
	TOT OBS	927	845	930	876	880	888	898	927	899	927	900	930	10827
09-11	MEAN	.5	6.1	18.3	29.3	40.0	48.2	55.7	52.4	42.9	33.2	17.4	4.1	29.0
	SD	18.454	18.003	13.566	9.732	9.201	8.203	5.967	7.861	8.113	8.189	13.545	16.937	22.320
	TOT OBS	930	844	930	874	882	891	899	930	899	928	900	930	10837
12-14	MEAN	4.0	9.9	20.6	29.4	39.6	47.6	55.1	51.4	42.7	34.1	19.4	6.9	30.0
	SD	17.695	16.994	12.389	9.100	9.141	8.406	7.072	8.380	8.489	8.499	12.696	16.552	20.795
	TOT OBS	930	846	930	870	883	892	900	930	898	930	900	930	10839
15-17	MEAN	4.9	11.3	21.4	29.4	39.1	47.1	54.1	50.2	41.9	33.6	19.4	7.5	30.0
	SD	17.438	16.450	11.718	8.973	9.208	8.107	7.184	8.629	8.682	8.903	12.600	16.422	20.135
	TOT OBS	930	846	930	873	885	890	902	930	900	930	900	930	10846
18-20	MEAN	2.4	9.4	20.7	29.7	38.8	47.2	54.8	50.4	41.8	32.7	17.6	5.7	29.2
	SD	17.825	17.035	11.980	9.275	9.414	8.264	6.907	8.610	8.847	8.733	13.155	16.716	21.013
	TOT OBS	930	846	929	873	888	891	901	927	899	930	900	930	10844
21-23	MEAN	.8	7.6	19.4	29.3	38.4	47.4	54.9	50.5	40.9	31.6	16.7	4.8	28.5
	SD	18.028	17.574	12.411	9.447	9.287	8.011	6.026	8.115	8.634	8.672	13.505	16.529	21.481
	TOT OBS	930	846	930	873	886	891	901	927	899	930	900	930	10843
ALL	MEAN	1.4	7.5	18.9	28.6	38.5	46.9	54.3	50.5	41.4	32.2	17.2	5.0	28.5
	SD	18.226	17.656	13.059	9.491	9.186	8.159	6.481	8.187	8.573	8.502	13.397	16.720	21.408
	TOT OBS	7432	6763	7439	6991	7064	7119	7203	7424	7194	7434	7200	7440	86703

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: JAN

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-07	100.0	100.0	100.0	99.8	94.8	73.9	45.2	14.9	2.7	68.6	927
	08-05	100.0	100.0	100.0	99.7	94.0	73.5	41.2	13.4	2.7	68.3	927
	06-08	100.0	100.0	100.0	99.6	94.1	75.2	43.7	12.7	2.8	68.4	927
	09-11	100.0	100.0	100.0	99.8	93.4	72.4	42.4	13.1	2.2	68.1	930
	12-14	100.0	100.0	100.0	99.8	91.9	69.0	31.5	9.4	1.7	66.2	930
	15-17	100.0	100.0	100.0	100.0	92.7	68.7	32.3	10.2	1.9	66.2	930
	18-20	100.0	100.0	100.0	100.0	96.2	72.4	43.1	12.2	3.0	68.2	930
	21-23	100.0	100.0	100.0	100.0	95.2	72.5	42.7	12.6	2.4	68.2	930
	TOTALS	100.0	100.0	100.0	99.8	94.0	72.0	40.3	12.7	2.4	67.8	7430

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: FEB

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%	[RELATIVE HUMIDITY]	NUM OBS
FEB	00-02	100.0	100.0	100.0	99.9	97.2	78.3	59.2	26.4	7.5	72.5	845
	03-05	100.0	100.0	100.0	100.0	97.2	77.9	58.7	24.5	7.7	72.1	845
	06-08	100.0	100.0	100.0	99.9	96.4	78.3	57.9	25.7	6.4	72.0	845
	09-11	100.0	100.0	100.0	99.8	95.3	77.3	49.9	23.1	5.7	70.6	844
	12-14	100.0	100.0	100.0	99.8	95.4	70.7	40.8	16.1	3.8	68.3	841
	15-17	100.0	100.0	100.0	99.8	95.0	72.0	41.7	14.5	2.0	68.3	841
	18-20	100.0	100.0	100.0	100.0	96.6	81.0	56.5	23.6	1.5	71.9	841
	21-23	100.0	100.0	100.0	100.0	96.9	82.2	61.5	26.5	5.1	72.8	841
TOTALS		100.0	100.0	100.0	99.9	96.3	77.7	53.3	22.6	5.2	71.1	6763

GLOBAL CLIMATOLOGY BRANCH  
LAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: MAR

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	NO. OF OBS
MAR	00-02	100.0	100.0	100.0	99.9	98.1	88.5	64.1	33.9	9.0	75.1	930
	03-05	100.0	100.0	100.0	100.0	98.1	89.0	66.2	37.0	10.6	75.7	930
	06-08	100.0	100.0	100.0	100.0	97.6	86.5	69.3	37.4	9.7	75.6	930
	09-11	100.0	100.0	100.0	99.1	92.7	75.3	50.1	25.6	8.0	70.6	930
	12-14	100.0	100.0	99.0	92.6	82.4	60.4	35.7	16.3	4.9	64.7	930
	15-17	100.0	100.0	97.6	88.3	76.6	56.5	31.9	13.8	3.8	62.6	930
	18-20	100.0	100.0	99.7	96.8	89.8	72.0	46.4	22.3	5.0	69.8	929
	21-23	100.0	100.0	100.0	100.0	98.0	87.3	60.6	31.2	9.0	74.1	930
	TOTALS	100.0	100.0	99.5	97.1	91.7	76.9	52.9	27.2	7.4	70.9	7435

GLOBAL CLIMATOLOGY BRANCH  
 LSAFETAC  
 AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 79-87  
 MONTH: APR

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	REL OBS
APR	00-02	100.0	100.0	100.0	97.3	91.6	80.4	53.8	27.3	5.1	71.2	876
	03-05	100.0	100.0	100.0	99.1	94.4	85.0	62.1	32.3	6.6	73.4	876
	06-08	100.0	100.0	99.9	96.9	93.5	82.0	58.2	29.0	5.8	72.4	876
	09-11	100.0	99.2	93.0	81.4	64.6	44.7	24.5	11.1	2.4	57.7	874
	12-14	100.0	94.5	79.8	59.1	44.3	28.5	15.6	7.1	1.3	48.5	870
	15-17	100.0	92.4	70.9	52.6	40.1	25.0	13.6	6.5	1.6	46.0	873
	18-20	100.0	96.6	84.7	68.5	52.7	36.7	20.5	10.3	2.4	52.9	873
	21-23	100.0	100.0	98.9	92.4	82.4	64.1	41.2	19.9	4.1	65.9	873
	TOTALS	100.0	97.8	90.9	81.2	70.5	55.8	36.2	17.9	3.7	61.7	6921

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 727675 STATION NAME: HINDI AFB ND

PERIOD OF RECORD: 79-87  
MONTH: MAY

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	NUM OBS
MAY	00-02	100.0	100.0	98.8	93.2	81.7	60.2	41.7	19.3	5.3	65.6	681
	03-05	100.0	100.0	99.9	97.3	88.6	73.7	50.6	27.1	5.8	70.0	875
	06-08	100.0	100.0	99.3	94.9	83.5	63.1	43.0	20.5	5.0	66.7	880
	09-11	100.0	98.4	89.2	69.7	46.7	28.7	16.6	7.9	1.9	51.5	882
	12-14	100.0	95.0	71.1	43.5	27.0	17.7	10.1	5.9	1.7	42.9	883
	15-17	100.0	91.3	62.4	37.7	25.3	16.5	10.3	5.4	2.0	40.7	885
	18-20	100.0	94.4	73.6	50.0	32.1	21.2	13.1	6.3	2.1	45.0	886
	21-23	100.0	99.3	94.0	80.9	62.9	42.3	27.9	12.6	4.0	58.2	886
	TOTALS	100.0	97.3	86.1	70.9	56.0	40.3	26.6	13.1	3.6	55.1	7064



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 79-87  
MONTH: JUN

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	NUM OBS
JUN	00-02	100.0	100.0	99.8	98.3	86.8	70.9	44.9	19.8	5.4	68.4	886
	03-05	100.0	100.0	99.7	99.4	92.1	78.2	57.8	28.3	8.2	72.1	886
	06-08	100.0	100.0	99.8	96.7	85.5	67.5	43.8	19.5	4.7	67.6	886
	09-11	100.0	99.8	93.7	76.4	49.8	28.8	16.7	7.6	2.8	53.3	891
	12-14	100.0	99.2	79.8	51.3	27.0	17.0	10.2	4.9	1.6	44.8	892
	15-17	100.0	96.5	72.2	39.8	24.0	14.3	8.0	3.8	.9	41.8	890
	18-20	100.0	99.0	81.5	54.8	33.8	20.5	9.4	4.5	1.3	46.1	891
	21-23	100.0	100.0	99.2	91.2	73.1	50.5	28.5	11.4	3.3	61.4	891
TOTALS		100.0	99.3	90.7	76.0	59.0	43.5	27.4	12.5	3.5	56.9	7116

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87

MONTH: JUL

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	NUM OBS
JUL	00-02	100.0	100.0	100.0	99.7	96.9	89.4	64.5	23.9	6.0	74.1	902
	03-05	100.0	100.0	100.0	99.6	98.4	92.6	77.7	35.4	10.6	77.4	900
	06-08	100.0	100.0	100.0	99.4	96.2	83.9	57.2	25.7	6.6	72.9	898
	09-11	100.0	100.0	98.3	89.0	64.8	34.1	16.2	5.5	1.8	56.7	899
	12-14	100.0	99.4	88.0	61.3	30.4	14.9	6.6	3.2	1.1	46.2	900
	15-17	100.0	98.4	78.7	46.1	23.9	12.0	4.1	1.6	.9	42.2	901
	18-20	100.0	99.8	90.5	67.0	38.1	20.0	7.9	2.2	.9	48.4	901
	21-23	100.0	100.0	99.7	98.4	90.6	69.5	34.0	11.1	2.8	66.4	901
	TOTALS	100.0	99.7	94.4	82.6	67.4	52.1	33.5	13.6	3.8	60.5	7202

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/HAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87  
MONTH: AUG

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	NUP	OBS
AUG	00-02	100.0	100.0	99.5	97.6	92.3	79.2	57.3	26.5	6.3	71.6	926	
	03-05	100.0	100.0	99.7	99.0	95.5	88.0	68.6	37.5	9.6	75.7	927	
	06-08	100.0	100.0	99.5	98.9	95.3	84.6	63.5	31.6	8.0	74.0	927	
	09-11	100.0	99.1	96.9	85.3	61.0	38.3	19.4	6.8	1.9	56.7	930	
	12-14	100.0	97.2	81.4	52.6	28.8	14.6	8.0	4.0	.9	44.3	930	
	15-17	100.0	94.8	67.7	38.9	20.5	11.8	6.5	3.8	.8	40.1	930	
	18-20	100.0	97.6	83.8	57.7	34.3	21.6	11.8	5.8	1.2	47.1	927	
	21-23	100.0	100.0	98.6	94.7	78.9	57.1	34.3	14.7	2.8	63.8	927	
	TOTALS	100.0	98.6	90.9	78.1	63.3	49.4	33.7	16.3	3.9	59.2	7424	

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: SEP

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00-02	100.0	100.0	99.9	98.6	90.6	75.1	56.9	32.6	10.7	72.1	900
	03-05	100.0	100.0	100.0	99.6	95.2	81.7	60.3	37.9	14.3	74.5	900
	06-08	100.0	100.0	100.0	99.2	95.1	85.1	61.5	36.7	14.2	74.9	899
	09-11	100.0	99.4	96.7	85.2	68.6	51.3	33.7	16.1	4.4	61.2	895
	12-14	100.0	97.4	82.4	62.2	44.5	28.6	17.8	9.0	1.6	50.3	898
	15-17	100.0	95.0	74.6	54.0	36.4	24.7	14.2	8.6	2.9	46.8	900
	18-20	100.0	99.2	90.7	74.6	57.0	39.3	25.4	12.8	4.2	55.9	899
	21-23	100.0	100.0	99.8	95.6	84.5	64.7	45.6	24.2	7.4	67.8	895
	TOTALS	100.0	98.9	93.0	83.6	71.5	56.2	39.3	22.2	7.5	62.9	7194

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: OCT

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	00-02	100.0	100.0	99.9	99.4	95.7	84.4	57.4	33.4	10.9	73.5	930
	03-05	100.0	100.0	100.0	99.0	96.3	88.6	65.0	37.5	13.8	75.5	929
	06-08	100.0	100.0	100.0	99.0	97.3	89.9	68.1	39.7	13.1	76.3	927
	09-11	100.0	100.0	99.1	93.9	81.4	63.7	39.4	19.5	6.8	66.1	926
	12-14	100.0	99.1	92.3	75.6	57.4	35.3	19.2	9.9	4.5	55.0	930
	15-17	100.0	98.6	88.5	69.0	50.0	31.8	17.3	9.1	3.9	52.6	930
	18-20	100.0	99.0	90.2	72.2	50.0	38.7	16.5	16.7	4.9	64.3	931
	21-23	100.0	100.0	99.7	96.2	91.9	77.2	47.7	25.8	8.2	70.8	930
TOTALS		100.0	99.7	97.2	90.9	81.3	66.2	43.8	24.0	8.3	66.8	7434

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: NOV

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	NUM OBS
NOV	00-02	100.0	100.0	100.0	99.4	95.8	86.8	63.7	30.9	8.6	74.1	900
	03-05	100.0	100.0	100.0	99.3	95.9	86.8	66.4	33.6	9.7	74.8	900
	06-08	100.0	100.0	100.0	98.9	95.8	88.0	70.0	34.6	10.1	75.3	900
	09-11	100.0	100.0	99.6	97.7	92.9	81.4	54.9	24.7	6.9	71.4	900
	12-14	100.0	99.7	97.2	92.1	80.8	61.6	36.7	15.4	4.3	64.3	900
	15-17	100.0	99.8	97.0	90.6	78.4	60.2	34.6	15.1	5.3	63.7	900
	18-20	100.0	100.0	99.7	97.7	93.4	81.6	55.2	24.4	7.6	71.5	900
	21-23	100.0	100.0	100.0	99.1	96.4	86.4	63.9	30.4	8.7	74.0	900
TOTALS		100.0	99.9	99.2	96.9	91.2	79.1	55.7	26.1	7.7	71.1	7200

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86  
MONTH: DEC

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	NUM	OBS
DEC	00-02	100.0	100.0	100.0	99.5	95.1	81.4	54.4	24.7	7.7	71.8	930	
	03-05	100.0	100.0	100.0	99.9	94.8	79.8	54.5	24.6	7.0	71.6	930	
	06-08	100.0	100.0	100.0	100.0	95.2	80.8	53.8	23.0	6.3	71.4	930	
	09-11	100.0	100.0	100.0	99.2	93.4	77.1	49.1	21.2	6.3	70.2	930	
	12-14	100.0	100.0	100.0	98.3	89.6	68.8	38.0	16.2	5.2	67.3	930	
	15-17	100.0	100.0	100.0	98.8	89.5	72.4	41.4	16.9	4.6	67.9	930	
	18-20	100.0	100.0	100.0	99.6	94.1	81.3	51.6	24.4	5.8	71.2	930	
	21-23	100.0	100.0	99.8	99.8	94.6	82.7	54.0	24.5	7.3	71.6	930	
	TOTALS	100.0	100.0	100.0	95.3	93.3	78.0	49.5	21.9	6.3	70.4	7440	

GLOBAL CLIMATOLOGY BRANCH  
 U.S. AIR FORCE  
 AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-87  
 MONTH: ALL

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	NLP	OBS
JAN	ALL	100.0	100.0	100.0	99.8	94.0	72.7	40.3	12.3	2.4	67.8	7432	
FEB		100.0	100.0	100.0	99.9	96.3	77.2	53.3	22.6	5.2	71.1	6762	
MAR		100.0	100.0	99.5	97.1	91.7	76.9	52.9	27.2	7.4	70.9	7439	
APR		100.0	97.8	90.9	81.2	70.5	55.8	36.2	17.9	3.7	61.0	6991	
MAY		100.0	97.3	86.1	70.9	56.0	40.3	26.6	13.1	3.5	55.1	7064	
JUN		100.0	99.3	90.7	76.0	59.0	43.5	27.4	12.5	3.5	56.9	7119	
JUL		100.0	99.7	94.4	82.6	67.4	52.1	33.5	13.6	3.8	60.5	7203	
AUG		100.0	98.6	90.9	78.1	63.3	49.4	33.7	16.3	3.9	59.2	7424	
SEP		100.0	98.9	93.0	83.6	71.5	56.2	39.3	22.2	7.5	62.9	7194	
OCT		100.0	99.7	97.2	90.9	81.3	66.2	43.8	24.0	8.3	66.8	7434	
NOV		100.0	99.9	99.2	96.9	91.2	79.1	55.7	26.1	7.7	71.1	7200	
DEC		100.0	100.0	100.0	99.3	93.3	78.0	49.5	21.9	6.3	70.4	7440	
TOTALS		100.0	99.3	95.2	88.0	78.0	62.2	41.0	19.1	5.3	64.5	86703	



PPPPPPP	AAAAAA	RRRRRRR	TTTTTTTTT	FFFFFFFFF
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	FFFFFFFFF
PP PP	AA AA	RR RR	TT	FF
PP PP	AA AA	RP RR	TT	FF
PPPPPPPP	AA AA	RRRRRRRR	TT	FFFFF
PPPPPPPP	AAAAAAAAA	RRRRRRR	TT	FFFFF
PP	AAAAAAAAA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF

PRESSURE SUMMARIES

STATION PRESSURE SUMMARIES

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND OBSERVATION COUNTS.

SEA LEVEL PRESSURE SUMMARIES

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND OBSERVATION COUNTS.

GLOBAL CLIMATOLOGY BRANCH  
USAF/TAC  
AIR WEATHER SERVICE/MAC

STATION PRESSURE IN INCHES HG FROM  
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-87

OURS EST	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00	MEAN	28.272	28.255	28.196	28.183	28.144	28.131	28.160	28.190	28.188	28.183	28.208	28.212	28.193
	SD	.265	.236	.222	.218	.194	.164	.149	.158	.217	.209	.261	.276	.221
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
03	MEAN	28.267	28.251	28.186	28.177	28.143	28.130	28.156	28.190	28.183	28.181	28.205	28.212	28.190
	SD	.265	.239	.226	.223	.195	.168	.153	.160	.225	.210	.265	.275	.223
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
06	MEAN	28.259	28.250	28.190	28.183	28.151	28.142	28.167	28.197	28.185	28.184	28.201	28.210	28.193
	SD	.266	.238	.227	.226	.198	.170	.155	.165	.229	.212	.266	.276	.224
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
09	MEAN	28.268	28.262	28.205	28.195	28.160	28.154	28.178	28.210	28.199	28.198	28.213	28.219	28.205
	SD	.265	.239	.228	.226	.201	.170	.156	.170	.234	.215	.264	.276	.225
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
12	MEAN	28.276	28.266	28.206	28.191	28.145	28.145	28.172	28.201	28.194	28.185	28.211	28.223	28.202
	SD	.269	.241	.227	.221	.201	.170	.152	.171	.230	.216	.262	.277	.226
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
15	MEAN	28.246	28.239	28.184	28.167	28.121	28.126	28.155	28.178	28.171	28.167	28.186	28.196	28.178
	SD	.269	.238	.220	.216	.198	.165	.148	.165	.220	.212	.256	.274	.221
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
18	MEAN	28.261	28.247	28.183	28.158	28.106	28.110	28.137	28.161	28.169	28.172	28.200	28.210	28.176
	SD	.265	.235	.212	.212	.194	.160	.147	.160	.213	.207	.254	.272	.219
	TOT OBS	310	282	310	300	310	300	310	309	300	310	300	310	3651
21	MEAN	28.267	28.255	28.195	28.176	28.124	28.118	28.145	28.176	28.188	28.183	28.206	28.212	28.187
	SD	.263	.236	.212	.212	.192	.160	.146	.157	.211	.209	.256	.274	.216
	TOT OBS	310	282	310	300	310	300	310	309	300	310	300	310	3651
ALL HOURS	MEAN	28.264	28.253	28.193	28.179	28.137	28.132	28.159	28.188	28.185	28.183	28.204	28.212	28.190
	SD	.266	.237	.222	.219	.197	.166	.151	.164	.222	.211	.261	.275	.223
	TOT OBS	2480	2256	2480	2400	2480	2400	2480	2478	2400	2480	2400	2480	29214

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

SEA LEVEL PRESSURE IN HGS FROM  
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-87

HOURLS LST	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00	MEAN	1021.4	1020.3	1017.1	1015.5	1013.2	1012.2	1012.9	1014.2	1014.8	1015.4	1017.6	1018.9	1016.1
	SD	10.450	9.437	8.554	8.248	7.299	6.111	5.599	5.964	8.248	7.885	10.382	10.865	8.848
	TOT OBS	310	282	310	299	310	300	310	310	300	310	300	310	3651
03	MEAN	1021.1	1020.1	1016.8	1015.2	1013.1	1012.1	1012.8	1014.1	1014.5	1015.2	1017.4	1018.9	1015.7
	SD	10.502	9.488	8.732	8.407	7.373	6.347	5.745	6.057	8.502	7.966	10.221	10.815	8.935
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
06	MEAN	1021.0	1020.2	1017.0	1015.6	1013.5	1012.6	1013.2	1014.5	1014.7	1015.5	1017.5	1018.9	1016.2
	SD	10.506	9.423	8.704	8.461	7.427	6.367	5.797	6.198	8.660	8.001	10.200	10.847	8.913
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
09	MEAN	1021.4	1020.7	1017.6	1016.0	1013.8	1013.0	1013.6	1014.9	1015.3	1016.1	1018.0	1019.3	1016.6
	SD	10.474	9.483	8.735	8.465	7.503	6.333	5.803	6.331	8.765	8.076	10.140	10.863	8.948
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
12	MEAN	1021.5	1020.7	1017.5	1015.8	1013.2	1012.7	1013.4	1014.6	1015.0	1015.8	1017.8	1019.3	1016.4
	SD	10.593	9.531	8.664	8.284	7.541	6.287	5.690	6.384	8.648	8.092	10.072	10.885	8.977
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
15	MEAN	1020.3	1019.6	1016.6	1014.8	1012.4	1012.0	1012.7	1013.7	1014.1	1014.7	1016.8	1018.3	1015.5
	SD	10.558	9.410	8.482	8.124	7.436	6.173	5.546	6.149	8.283	7.970	9.911	10.754	8.794
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
18	MEAN	1021.0	1020.0	1016.7	1014.6	1011.9	1011.5	1012.1	1013.2	1014.1	1015.1	1017.5	1018.9	1015.5
	SD	10.440	9.301	8.133	7.971	7.309	5.986	5.460	6.039	8.051	7.795	9.785	10.706	8.802
	TOT OBS	310	282	310	300	310	300	310	308	300	310	300	310	3650
21	MEAN	1021.3	1020.4	1017.2	1015.3	1012.4	1011.7	1012.4	1013.7	1014.9	1015.6	1017.8	1019.1	1016.0
	SD	10.385	9.363	8.131	7.953	7.265	5.452	5.441	5.900	8.022	7.883	9.895	10.788	8.793
	TOT OBS	310	282	310	300	310	300	310	309	300	310	300	310	3651
ALL	MEAN	1021.1	1020.3	1017.0	1015.4	1012.9	1012.2	1012.9	1014.1	1014.7	1015.4	1017.6	1019.0	1016.0
	SD	10.480	9.422	8.511	8.245	7.409	6.207	5.647	6.144	8.398	7.958	10.031	10.805	8.883
HOURLS	TOT OBS	2480	2256	2480	2399	2480	2400	2480	2477	2400	2480	2400	2480	29212

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